Catch and Effort Statistics of the Canadian Groundfish Fishery on the Pacific Coast in 1995

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by

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ABSTRACT

Rutherford, K. L. 2001. Catch and effort statistics of the Canadian groundfish fishery on the Pacific coast in 1995. Can. Tech. Rep. Fish. Aquat. Sci. 2381: 83 p.

Catch and effort statistics for the Canadian groundfish fishery (excluding halibut) on the Pacific coast in 1995 are presented. Statistics are shown by major areas, minor areas, and North Pacific Anadromous Fisheries Commission (formerly International North Pacific Fisheries Commission) areas in metric tonnes (t). Total domestic landings in 1995 were 115,136 t, 28% above the total for 1994. Most of the catch was taken by trawl gear. The main species landed were Pacific hake, Pacific ocean perch, pollock, lingcod, dover sole, sablefish, yellowtail rockfish and turbot.

Joint venture fisheries along Canada's west coast caught 26,580 t of Pacific hake in 1995.

Key words: groundfish, Pacific coast, catch statistics, effort statistics

RÉSUMÉ

Rutherford, K. L. 2001. Catch and effort statistics of the Canadian groundfish fishery on the Pacific coast in 1995. Can. Tech. Rep. Fish. Aquat. Sci. 2381: 83 p.

Le rapport présente des statistiques sur les prises et l'effort dans la pêche canadienne du poisson de fond (flétan excepté) sur la côte pacifique en 1995. Les chiffres sont donnés pars grandes zones, zones secondaires et zones de la Commission internationale des pêcheries du Pacifique nord, en tonnes métriques (t). Les débarquements canadiens de 1995 totalisaient 115,136 t, soit 28 % de plus que le total de 1994. La plus grande partie des prises avait été faite au chalut. Les principales espèces débarquées étaient le merlu de Pacifique, le sébaste à longue mâchoire, la morue du Pacifique occidental, la morue-lingue, la sole à petite bouche, la morue charbonnière, le sébaste à queue jaune et la plie à grande bouche.

Sur la côte ouest du Canada, les coentreprises ont capturé en 1995 26 580 t.

Mote clés : poisson de fond, côte pacifique, statistiques sur les prises, statistiques sur l'effort.

INTRODUCTION

The Canadian fishery for groundfish along Canada's west coast involves many species of demersal fishes, the majority of which are caught by bottom and midwater trawls. The remaining catch is taken by trap, longline, handline, and troll gears. Excluding halibut, these domestic groundfish landings contributed an average of 72,154 metric tonnes (t) to the annual fish production of Canada during the ten-year period from 1985-94. The total landings of major groundfish species, caught by all types of gear from all areas on the Pacific coast during 1985-95 are shown in Table 1. Due to rounding some table totals do not match exactly. Figure 1 illustrates total groundfish landings from 1985-95.

The Biological Sciences Branch, Pacific Biological Station, Nanaimo, B.C., maintained port liaison officers at Vancouver, Steveston, and Prince Rupert during 1995. These persons conducted interviews with captains of trawl and trap vessels to collect information on effort expended for groundfish catches, by species, area and depth as well as other pertinent data. The landings not covered by these interviews were obtained from the sales slips collected by the Statistics Division of the Fisheries Branch in Vancouver or from information collected by the dockside monitoring program conducted by Archipelago Marine Research, under contract to the Department of Fisheries and Oceans. All available 1995 data are included in this report. While changes are rare, individuals using these data for analyses should refer to the author for confirmation.

Total 1995 domestic landings of 115,136 t were 60% above the 1985-94 mean and 28% above the 1994 level. The single largest contributor to the total landings was Pacific hake (57,848 t) which accounted for 50% of the total catch. This was 74% more than the amount of Pacific hake landed in 1994. Pacific ocean perch and other rockfish species were the next most dominant species group landed, accounting for 20% of the total catch. In addition to the increase in hake landings there were increases in landings of other rockfish (19,565 t, +7%), Pacific ocean perch (6,282 t, +10%), Dover sole (4,210 t, +7%), dogfish (2,839 t, +59%), English sole (1,488 t, +14%), petrale sole (672 t, +39%) and rex sole (347 t, +26%). There were decreases in the landings of pollock (4,258 t, -8%), lingcod (4,211 t, -10%), sablefish (4,191 t, -16%), turbot (3,698 t, -9%), Pacific cod (2,356 t, -34%) and rock sole (2,039 t, -7%).

In 1995, joint-venture fisheries were conducted along the British Columbia coast. The only nation participating was Russia. These fisheries caught 26,580 t of Pacific hake, 68% less than the amount taken in 1994.

This portion of the document is the traditional report of landings (t) by species, by discrete domestic (minor) fishing areas and by larger United States-Canadian (major) areas, commonly called Pacific Marine Fisheries Commission (PMFC) areas.

Table 1. Total Canadian landings[a] (t) of groundfish by species, taken from all areas of the Pacific Coast, 1984-1994.

Species	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1985-94	1995
English sole	692	452	755	879	1,041	1,266	1,171	1,319	1,770	1,305	1,065	1,488
Rock sole	430	454	887	1,960	2,066	2,264	3,414	3,094	3,014	2,208	1,979	2,039
Petrale sole	336	416	445	790	952	1,066	793	603	579	484	646	672
Dover sole	963	1,167	633	1,281	2,149	2,382	2,217	2,763	3,957	3,949	2,146	4,210
Rex sole	205	87	83	145	140	134	59	93	240	276	146	347
Starry flounder	66	54	65	110	123	143	146	145	105	102	106	81
Turbot	764	895	1,193	375	609	2,635	2,286	3,573	4,020	4,081	2,043	3,698
Other flatfish	161	215	232	147	50	51	87	225	252	228	165	305
Pacific cod	2,342	3,650	13,917	11,015	9,149	6,463	11,914	10,321	8,096	3,552	8,042	2,356
Lingcod	5,668	3,827	3,591	3,462	3,980	5,219	5,385	4,370	5,236	4,655	4,539	4,211
Sablefish[b]	4,275	4,668	4,719	5,563	5,493	5,038	5,531	5,008	5,108	5,002	5,041	4,232
Pollock	1,895	577	1,270	1,111	443	939	2,597	3,426	7,974	4,618	2,485	4,258
Hake	6,055	6,802	13,275	6,054	8,682	10,609	23,175	27,956	15,959	33,313	15,188	57,848
Ocean perch	6,069	5,914	6,335	6,929	6,004	5,761	4,331	4,056	4,565	5,736	5,570	6,282
Other rockfish	11,709	19,040	18,177	20,399	18,437	22,885	19,428	22,248	20,403	18,266	19,099	19,565
Misc. species	192	245	344	353	172	122	143	203	190	301	227	691
Hagfish	-	-	-	66	829	213	23	60	-	-	119	-
Dogfish	2,815	3,289	3,801	5,483	2,780	4,194	3,126	2,335	722	1,790	3,034	2,839
Animal food	309	255	188	130	127	17	tr.	tr.	149	2	118	-
Reduction	214	175	210	581	353	210	380	1,003	770	72	397	16
Total	45,160	52,182	70,120	66,833	63,579	71,611	86,206	92,801	83,109	89,940	72,154	115,138

[a] Does not include catches from joint-venture fisheries, see Table 56.

[b] Sablefish catches from 1992-1995 do not include catches for special permit fisheries to offshore seamounts. This amounted to an additional 325 t in 1992, 52 t in 1993, 99 t in 1994 and 132 t in 1995. Previous years may also include trips to offshore seamounts.

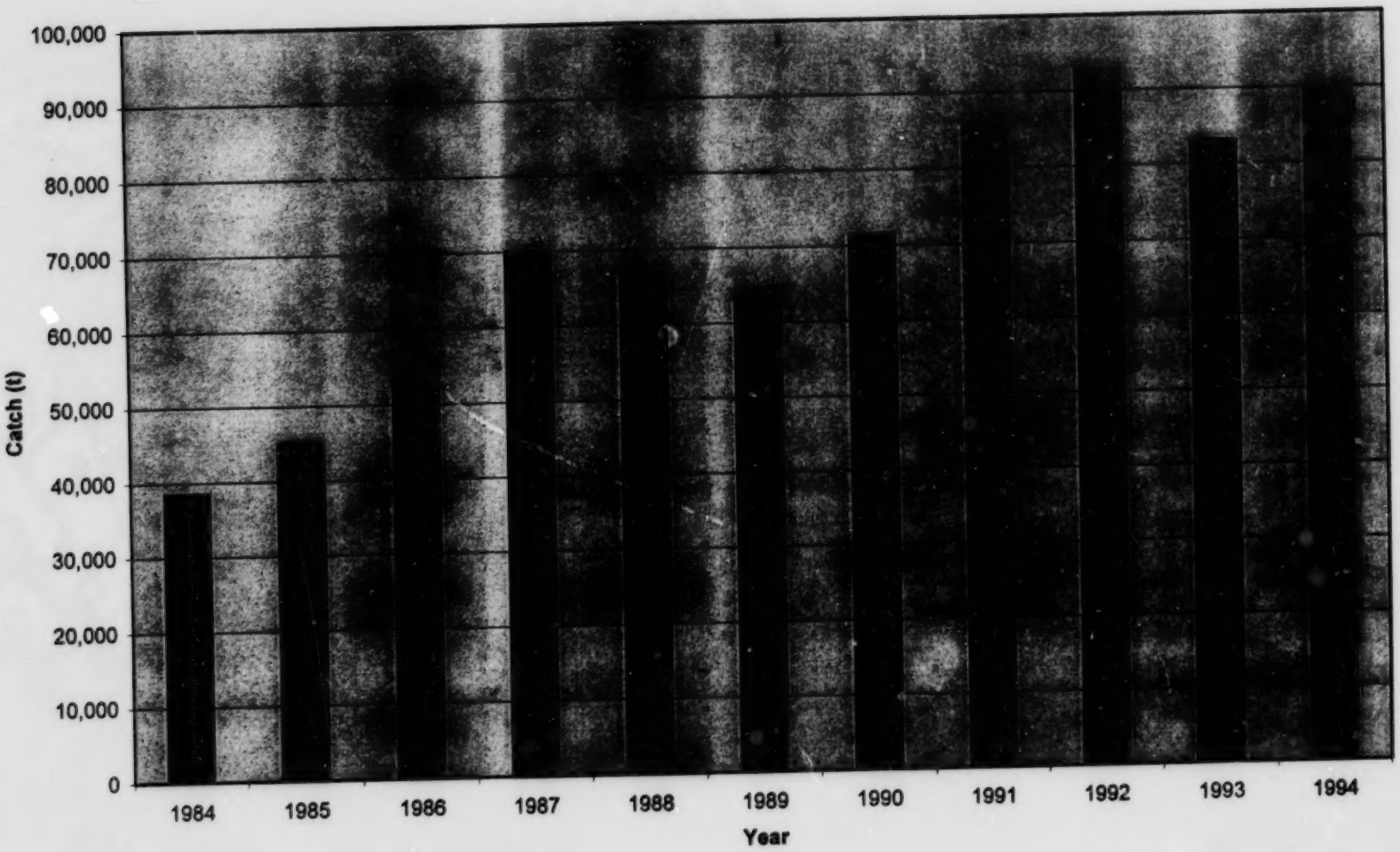

Figure 1. Total domestic Canadian groundfish landings, 1984-1994.

MAJOR STATISTICAL AREA DIVISIONS

Standardization between Canada and the United States in reporting of groundfish catches on the Pacific coast has resulted in assignment of catches to certain major statistical areas. In the United States the Pacific Marine Fisheries Commission, in their annual summaries of catch statistics, use these international areas. Figure 2 illustrates the major statistical areas off the British Columbia coast and gives their numerical designation. The following is a complete description of the boundaries of these areas.

AREA 3B--NORTHWEST WASHINGTON COAST

From latitude 47° 20'N to a line bearing 220° True from the mid-point of the Bonilla-Tatoosh line and crossing said parallel of latitude. This area includes the Quillayute and Umatilla Reef grounds and the shallow waters off Cape Flattery.

AREA 3C--SOUTHWEST COAST VANCOUVER ISLAND

From the northern boundary of Area 3B to a line bearing 200° True from Estevan Point southward to the 49° parallel of latitude, thence westward along said parallel. This area includes the Cape Flattery Spit, the Swiftsure Bank, La Pérouse Bank (Big Bank or 40 mile Bank), the Cabbage Patch, the Firing Range, the Lennard Island and Sydney Inlet grounds, and the inshore waters of Barkley Sound.

AREA 3D--NORTHWEST COAST VANCOUVER ISLAND

From the northern boundary of Area 3C to latitude 50° 30'N. This area includes the Nootka, Esperanza, and Kyuquot grounds as well as the Estevan deep ground.

AREA 4A--PUGET SOUND

The United States territorial waters inside the Bonilla-Tatoosh line including the Juan de Fuca Strait and Puget Sound. There is no Canadian catch from this area.

AREA 4B--STRAIT OF GEORGIA

The Canadian waters from the Bonilla-Tatoosh line inside to a line drawn north and south (Mag.) through Pine Island at the upper end of Queen Charlotte Strait. This area, defined simply as the Strait of Georgia, includes all Canadian inshore

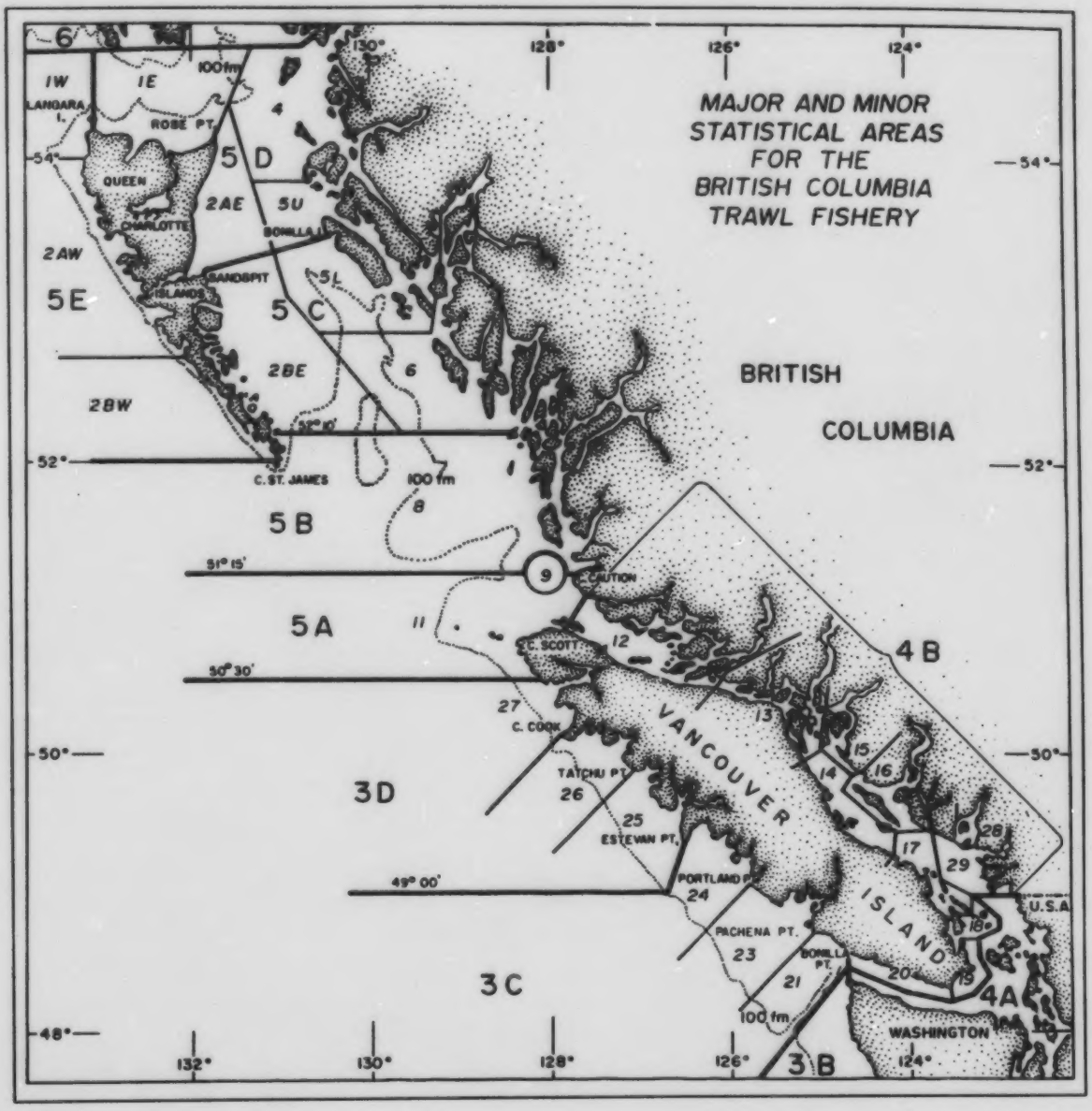

Figure 2. Major and minor statistical areas for the British Columbia trawl fishery.

grounds of Juan de Fuca Strait, Johnstone and Queen Charlotte Straits, and the Strait of Georgia.

AREA 5A--SOUTH QUEEN CHARLOTTE SOUND

From the northern boundaries of Areas 4B and 3D to latitude 51° 15'N. This area includes all grounds incorporated in the Cape Scott Bank and a portion of the grounds in the gully between the Cape Scott Bank and the Goose Island Bank. It also includes catches from the Virgin Rocks ground.

AREA 5B--NORTH QUEEN CHARLOTTE SOUND

From latitude 51° 15'N to latitude 52° 00'N on the westward side to Cape St. James and from latitude 51° 15'N to latitude 52° 10'N on the eastward side of Cape St. James. This area includes all grounds associated with the Goose Island Bank and the remaining portion of the grounds in the gully between the Goose Island Bank and the Cape Scott Bank.

AREA 5C--SOUTH HECATE STRAIT

From latitude 52° 10'N to a line drawn from Spit Point (Sandspit) on Moresby Island to the southern tip of Bonilla Island. This area includes the grounds known as the Horseshoe and Ole Spot in the central region of the Strait.

AREA 5D--NORTH HECATE STRAIT

From the northern boundary of Area 5C to latitude 54° 40'N, limited to the westward by longitude 133° W across Dixon Entrance. This area includes the Two Peaks ground (northeast of Rose Spit), the Butterworth-Warrior edge, the Fingers (southwest of Archibald Island), the Oval Hill ground, the White Rock ground (northwest of Bonilla Island), the Skidegate Inlet ground, the Fife Point ground, the southwest Seal Rocks ground, and grounds in Dixon Entrance.

AREA 5E--WEST COAST QUEEN CHARLOTTE ISLANDS

From latitude 52° 00'N to 54° 40'N, limited to the eastward by longitude 133° W across Dixon Entrance.

AREA 6--ALASKA

Encompasses waters bounded on the south by latitude 54° 40'N and on the west by longitude 147° W.

MINOR STATISTICAL AREA DIVISIONS

Minor areas are used to give more detailed information on region of capture of groundfish. They are areas within major areas and are basically the former Fisheries Management statistical areas with some modifications. Figure 3 illustrates the areas, and the modifications are catalogued below:

1. Minor area 101 has been divided into two minor areas, 1E and 1W. This boundary lies along longitude 133° W.

2. Minor area 142 has been divided into two minor areas, 2AW and 2BW. This boundary lies along 52° 40'N latitude.

3. The boundary between Area 102 and Area 104 has been shifted northwestward to Rose Spit. Area 4 was expanded to bring the whole of the Two Peaks and Dundas grounds within Area 4. This has meant the elimination of Areas 103 and 3xy.
4. Minor area 105 has been divided into sub-areas, designated 5U and 5L. This boundary lies along the Sandspit-Bonilla Island line, which is the internationally agreed line of division between north and south Hecate Strait (Areas 5D and 5C).
5. The boundary between Areas 5D and 5C has been continued through Area 102 to divide it into two minor areas, 2AE and 2BE.

6. The southern boundary of Areas 102 and 106 has been shifted to lie along 52° 10'N latitude to conform with the boundary between Areas 5C and 5D.

7. Area 8 has been expanded to include the whole of the Goose Island Bank. This had involved (a) shifting the northern boundary to 52° 10'N latitude and eliminating Area 107, (b) shifting the southern boundary to 51° 15' W latitude and elimination of Areas 109, and 110, and (c) the elimination of Area 130, previously used for offshore catches in Queen Charlotte Sound. There is, in this report, no westward limit to Area 8.

8. Area 9 has been changed and is now a circle 12 miles in diameter surrounding the Sea Otter group and the Virgin Rocks ground. It is considered to be part of Area 5A.

9. Area 11 has been expanded to include all of the Cape Scott Bank. This has meant the elimination of Area 111 and the addition of part of Area 127 lying

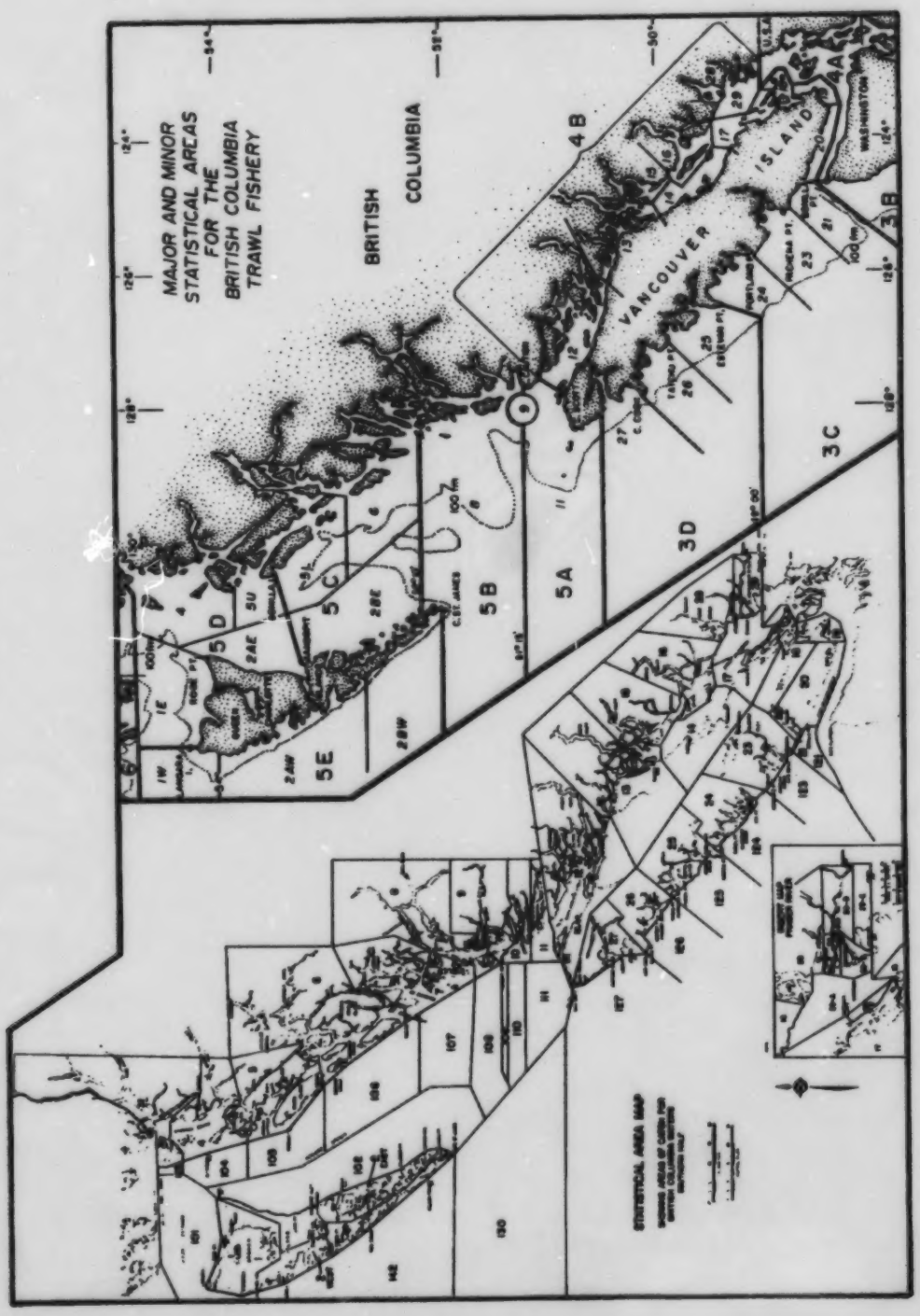
MAJOR AND MINOR
STATISTICAL AREAS
FOR THE
BRITISH COLUMBIA
TRAWL FISHERY
BRITISH
COLUMBIA
VANCOUVER
ISLAND
4B
4A
3B
3C
3D
5A
5B
5C
5D
5E

Figure 3.

northward of 50° 30'N latitude. This is to conform with the boundary between Areas 5A and 3D.

10. The western limit of Area 12 is now Bates Passage.

11. Areas 21, 23, 24, 25, 26, and 27 have been expanded to include Areas 121, 123, 124, 125, 126, and 127, respectively.

12. The boundary between Areas 24 and 25 has been shifted to lie along the boundary between Areas 3C and 3D.

13. The boundary between Areas 23 and 24 has been shifted northwards to Portland Point and it lies on a bearing 225° True. This is to bring the whole of the ground known as Firing Range (which formerly lay on the boundary between these two areas) entirely within Area 23.

All other minor areas remain the same as those defined by the Fisheries Management Statistical Chart.

The following shows the relationship between the major and minor areas:

Major areas	Minor areas
6 Alaska	Southeastern, Yakutat[1]
5E West Coast Queen Charlotte Islands	1W, 2AW, 2BW
5D North Hecate Strait	1E, 2AE, 4, 5U
5C South Hecate Strait	2BE, 5L, 6
5B North Queen Charlotte Sound	8
5A South Queen Charlotte Sound	9, 11
3D Northwest Coast Vancouver Island	27, 26, 25
3C Southwest Coast Vancouver Island	24, 23, 21
3B Northwest Washington Coast	"C"
4B Strait of Georgia[2]	12, 13, 14, 15, 16, 17, 18, 19, 20, 28, 29

[1] Southeastern - from 54° 40'N to 137° W. Yakutat from 137° W to 147° W.

[2] Including Johnstone and Queen Charlotte straits and the Canadian portion of Juan de Fuca Strait.

DOMESTIC TRAWL FISHERY

In 1995, catch and effort data were collected by port liaison officers (Biological Sciences Branch) and by representatives of the Groundfish Management Unit (Operations Branch) for 95%, by weight, of the total trawl landings. In 1995, a dockside-monitoring program was continued for all trawl landings. This involved contractors, Archipelago Marine Research, being present at the dock during the unloading of each vessel to provide an independent estimate of what the vessel was landing. For the remaining 5% of landings that did not provide catch and effort data the data was recorded from either the dockside monitoring data or from sales slips, provided through the cooperation of the Statistics Division, Fisheries Branch. These data sources did not provide effort (hours fished) information. Catch-per-unit-effort (CPUE) statistics obtained from the interview data were used to estimate the effort expended for the catch reported on the dockside monitoring reports or sales slips.

From total landed catch and total estimated effort data, an average CPUE (t/h) was calculated for each major fishing area. Also calculated was the percentage of total catch and effort expended in each of these areas. These last two statistics show relative importance of each area and are used in the calculation of the "success ratio". This parameter is defined as the percent of the total catch divided by the percent of total effort.

Total landings in 1995 (excluding dumped[3] and discarded[4] fish) by the British Columbia domestic trawl fleet were 104,502 t, 30% above the total for 1994. Effort expended increased 10% to 81,170 hours, resulting in an overall CPUE of 1.288 t/h, 18% above the 1994 rate. Midwater trawl gear accounted for 64% (66,558 t) of the total trawl catch and 14% (11,474 h) of the total trawl effort, for an overall CPUE of 5.801 t/h, 19% above the 1994 rate.

Pacific hake was the strongest contributor to the trawl fishery with landings of 57,848 t, almost entirely caught by midwater trawl gear. Pacific hake accounted for 55% of the total trawl landings. This was 74% more than the amount of hake landed in 1994. Rockfish landings were 22,759 t, and accounted for 22% of the total trawl landings.

In addition to the increases in landings of Pacific hake there were increases in landings of Pacific ocean perch (6,280 t, +10%), yellowtail rockfish (4,094 t, +51 %), widow rockfish (2,413 t, +14%), yellowmouth rockfish (1,377 t, + 13%), shortspine thornyheads (1,239 t, +52%), English sole (1,488 t, +14%), petrale sole (672 t, +39%), rex sole (347 t, +26%) and dogfish (330 t, +77%).

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[3] Fish caught and retained but eventually rejected at the plant as being unsuitable for any utilization.

[4] Fish caught and discarded at sea by fishermen.

There were decreases in landings of pollock (4,258 t, -8%), turbot (3,698 t, -9%), Pacific cod (2,352 t, -34%), lingcod (3,111 t, -9%), silvergray rockfish (2,088 t, -27%), rock sole (2,039 t, -8%), redstripe rockfish (1,344 t, -4%), rougheye rockfish (1,147 t, -14%), Bocaccio (508 t, -15%) and redbanded rockfish (486 t, -29%).

Annual trawl catch and effort data are shown in Tables 2-7. Landings by major area, month and species are presented in Tables 8-16. Landings by minor area, month and species are given in Tables 17-43. Due to rounding some table totals do not match exactly. Figure 4 illustrates total trawl catch (t) and total trawl effort (h) by major area.

AREA 4B--STRAIT OF GEORGIA

This area contributed 20% to the total British Columbia trawl production. There was a 16% decrease in the amount of effort expended (4,729 h) and a 6% increase in landings (20,976 t), resulting in a 27% increase in CPUE (4.436 t/h). Midwater trawl gear accounted for 99% of the catch (20,821 t) from this area. Pacific hake landings (18,848 t) increased 15% above 1994 landings and accounted for 90% of all landings from this area. Pollock (1,875 t) was the other main species caught in this area and accounted for 9% of the landings.

AREA 3C--SOUTHWEST COAST OF VANCOUVER ISLAND

This area contributed 43% to the total British Columbia trawl production. There was a 7% increase in the amount of effort expended (17,125 h) and an 87% increase in landings (44,929 t). This resulted in a 75% increase in CPUE (2.623 t/h). Pacific hake (38,940 t) accounted for 87% of the catch from this are and was caught entirely with midwater trawl gear. This amount of hake was more than double the amounted landed in this area in 1994. All rockfish species (2,124 t) made up 5% of the landings from this area, with yellowtail rockfish (621 t) being the most abundant. Dover sole (1,348 t), lingcod (805 t) and Pacific cod (503 t) were the other dominant species.

AREA 3D--NORTHWEST COAST OF VANCOUVER ISLAND

The landings (7,988 t) for this area increased 2%, the amount of effort expended (13,445 h) increased 20% and CPUE decreased 15% to 0.594 t/h. Rockfish landings of 4,831 t, of which yellowtail rockfish (1,146 t), widow rockfish (441 t), Pacific ocean perch (506 t) and canary rockfish (449 t) were the dominant species, accounted for 60% of the total catch. Turbot landings (1,556 t) accounted for 19% and dover sole (605 t) accounted for 8% of the landings from this area.

AREA 5A--SOUTH QUEEN CHARLOTTE SOUND

Total landings (7,485 t) increased 1% above landings in 1994 and total effort expended (12,015 h) increased 22%, resulting in a 10% decrease in CPUE (0.625 t/h). Rockfish landings (4,779 t) accounted for 64% of the landings. Widow rockfish (1,033 t), yellowtail rockfish (994 t), yellowmouth rockfish (658 t), Pacific ocean perch (627 t) and silvergray rockfish (602 t) were the major rockfish species caught in this area. Lingcod (682 t) and pollock (635 t) were the other dominant species landed.

AREA 5B--NORTH QUEEN CHARLOTTE SOUND

Total landings (9,267 t) increased 8% and total effort expended (11,279 h) increased 18%. This resulted in an 8% decrease in CPUE (0.822 t/h) from 1994 levels. Rockfish species (6,412 t) accounted for 69% of the landings. Pacific ocean perch (3,193 t) and yellowtail rockfish (932 t) were the dominant species. The other main species landed were turbot (833 t), lingcod (558 t) and Dover sole (500 t).

AREA 5C--SOUTH HECATE STRAIT

The amount of effort expended (6,197 h) in this area was 1% higher and landings (3,504 t) were 4% lower than those seen in 1994. This resulted in a 6% decrease in CPUE (0.565 t/h). Rockfish species (1,757 t) accounted for 50% of the landings. Pacific ocean perch (678 t) and silvergray rockfish (479 t) were the major rockfish species landed in the area. Lingcod (389 t), rock sole (329 t) and Pacific cod (276 t) were the other main species landed.

AREA 5D--NORTH HECATE STRAIT

Total landings (7,030 t) increased 14% and total effort expended (11,587 h) increased 9%. This resulted in a 4% increase in CPUE (0.607 t/h). Pollock (1,443 t), English sole (1,102 t), Pacific cod (1,049 t) and rock sole (980 t) were the dominant species landed.

AREA 5E--WEST COAST OF QUEEN CHARLOTTE ISLANDS

There was a 10% decrease in the total landings (3,323 t) and a 4% increase in the amount of effort expended (4,793 h). This resulted in a 13% decrease in CPUE (0.693 t/h). Total rockfish landings of 2,335 t accounted for 70% of the total catch. Pacific ocean perch (853 t) and rougheye rockfish (612 t) were the dominant rockfish species. The other dominant species was Dover sole (741 t) which accounted for 22% of the landings in this area.

The following species were observed in trawl landings in British Columbia in 1995.

Family and common name	Scientific name[5]
FISHES	
Acipenseridae	
Green sturgeon	Acipenser medirostris Ayres
Anarhichadidae	
Wolf-eel	Anarrhichthys ocellatus Ayres
Anoplopomatidae	
Sablefish	Anoplopoma fimbria (Pallas)
Bothidae	
Pacific sanddab	Citharichthys sordidus (Girard)
Carangidae	
Jack mackerel	Trachurus symmetricus (Ayres)
Chimaeridae	
Spotted ratfish	Hydrolagus colliei (Lay & Bennett)
Clupeidae	
American shad	Alosa sapidissima (Wilson)
Pacific herring	Clupea pallasi Valenciennes
Cottidae	
Sculpins	various species
Cabezons	Scorpaenichthys marmoratus (Ayres)
Embiotocidae	
Pile perch	Rhacochilus vacca (Girard)
Gadidae	
Pacific cod, true cod or gray cod	Gadus macrocephalus Tilesius
Pacific hake	Merluccius productus (Ayres)
Pacific tomcod	Microgadus proximus (Girard)
Walleye pollock	Theragra chalcogramma (Pallas)
Hexagrammidae	
Lingcod	Ophiodon elongatus Girard
Osmeridae	
Smelts	unknown species

[5] Gillespie, G.E. 1993. An updated list of the fishes of British Columbia, and those of interest in adjacent waters, with numeric code designations. Can. Tech. Rep. Fish. Aquat. Sci. 1918: 116 p.

Family and common name	Scientific name
Pleuronectidae	
Arrowtooth flounder or turbot	Atheresthes stomias (Jordan & Gilbert)
Petrale sole	Eopsetta jordani (Lockington)
Rex sole	Errex zachirus (Lockington)
Flathead sole	Hippoglossoides elassodon Jordan & Gilbert
Pacific halibut	Hippoglossus stenolepis Schmidt
Butter sole	Pleuronectes isolepis (Lockington)
Rock sole	Pleuronectes bilineatus (Ayres)
Yellowfin sole	Pleuronectes asper Pallas
Slender sole	Eopsetta exilis (Jordan & Gilbert)
Dover sole	Microstomus pacificus (Lockington)
English sole	Pleuronectes vetulus (Girard)
Starry flounder	Platichthys stellatus (Pallas)
Curlfin sole	Pleuronichthys decurrens Jordan & Gilbert
Sand sole	Psettichthys melanostictus Girard
Rajidae	
Big skate	Raja binoculata Girard
Broad skate	Raja badia Garman
Salmonidae	
Salmon	Oncorhynchus sp.
Scombridae	
Chub mackerel	Scomber japonicus Houttuyn
Scorpaenidae	
Rougheye rockfish	Sebastes aleutianus (Jordan & Evermann)
Pacific ocean perch	Sebastes alutus (Gilbert)
Aurora rockfish	Sebastes aurora (Gilbert)
Redbanded rockfish	Sebastes babcocki (Thompson)
Shortraker rockfish	Sebastes borealis Barsukov
Silvergray rockfish	Sebastes brevispinis (Bean)
Copper rockfish	Sebastes caurinus Richardson
Dusky rockfish	Sebastes ciliatus (Tilesius)
Darkblotched rockfish	Sebastes crameri (Jordan)
Splitnose rockfish	Sebastes diploproa (Gilbert)
Greenstriped rockfish	Sebastes elongatus Ayres
Widow rockfish	Sebastes entomelas (Jordan & Gilbert)
Yellowtail rockfish	Sebastes flavidus (Ayres)
Chilipepper	Sebastes goodei (Eigenmann & Eigenmann)
Rosethorn rockfish	Sebastes helvomaculatus Ayres
Quillback rockfish	Sebastes maliger (Jordan & Gilbert)
Black rockfish	Sebastes melanops Girard
Vermilion rockfish	Sebastes miniatus (Jordan & Gilbert)
China rockfish	Sebastes nebulosus Ayres
Tiger rockfish	Sebastes nigrocinctus Ayres
Bocaccio	Sebastes paucispinis Ayres

Family and common name	Scientific name
Scorpaenidae cont'd	
Canary rockfish	Sebastes pinniger (Gill)
Redstipe rockfish	Sebastes proriger (Jordan & Gilbert)
Yellowmouth rockfish	Sebastes reedi (Westrheim & Tsuyuki)
Yelloweye rockfish	Sebastes ruberrimus (Cramer)
Harlequin rockfish	Sebastes variegatus Quast
Sharpchin rockfish	Sebastes zacentrus (Gilbert)
Shortspine thornyhead	Sebastolobus alascanus Bean
Squalidae	
Spiny dogfish	Squalus acanthias Linnaeus
Triakidae	
Soupfin shark	Galeorhinus zyopterus Jordan & Gilbert
INVERTEBRATES	
Octopoda	
Octopus or devilfish	Octopus sp.
Teuthoidea	
Squid	Loligo opalescens Berry

Table 2. Total catch (t) and related effort[a] (h) for the British Columbia trawl fleet in 1995 (excludes dumped and discarded fish).

Major Area	4B		3C		3D		5A		5B	
Month	Catch	Effort	Catch	Effort	Catch	Effort	Catch	Effort	Catch	Effort
January	1,825.1	1,265	233.5	613	278.3	487	993.3	688	611.4	386
February	1,270.4	871	738.4	1,683	306.6	529	703.5	562	824.8	355
March	5,533.0	990	721.9	1,867	288.6	593	360.8	403	419.0	331
April	3,907.8	565	1,243.7	2,373	1181.0	1,722	752.8	885	1,145.5	1,034
May	1,372.9	179	932.1	1,528	1,488.7	2,608	906.0	2,170	1,303.5	1,453
June	1,067.7	192	7,806.6	1,478	596.6	1,326	565.9	1,874	1,041.1	1,786
July	1,076.5	133	9,505.9	2,326	1,141.8	1,852	871.5	2,155	1,396.3	2,269
August	1,121.5	104	8,250.4	1,965	817.9	1,511	548.8	1,192	1,072.5	1,471
September	3,620.3	370	7,975.2	2,141	815.6	1,680	850.3	1,065	1,005.9	1,645
October	181.2	60	6,858.4	920	156.9	431	256.7	636	286.7	407
November	-	-	573.2	167	477.8	301	319.5	135	71.6	55
December	-	-	90.0	64	438.6	405	355.7	215	89.1	87
Total	20,976.4	4,729	44,929.3	17,125	7,988.4	13,445	7,484.8	11,980	9,267.4	11,279
CPUE (t/h)		4.436		2.624		0.594		0.625		0.822
% catch		20.07		42.99		7.64		7.16		8.87
% effort		5.83		21.11		16.57		14.77		13.90
Success ratio		3.44		2.04		0.46		0.49		0.64

[a] This effort was prorated using the known CPUE obtained from interviews which accounted for 95% of the total catch.

Table 2 (cont'd)

Major area	5C		5D		5E		Total	
Month	Catch	Effort	Catch	Effort	Catch	Effort	Catch	Effort
January	58.7	97	293.6	577	600.5	522	4894.4	4,635
February	120.1	80	339.2	557	762.3	740	5065.3	5,377
March	288.8	444	355.8	841	414.8	624	8,382.7	6,093
April	339.8	463	734.2	1,454	573.5	780	9,878.3	9,276
May	754.3	1,402	1,104.8	1,759	722.4	1,395	8,584.7	12,494
June	853.6	1,677	1,136.0	2,093	164.8	531	13,232.3	10,957
July	406.0	868	1104.7	1,709	63.6	169	15,566.3	11,481
August	133.9	246	410.2	822	-	-	12,355.2	7,311
September	482.5	780	491.2	967	14.9	29	15,255.9	8,677
October	64.5	134	186.2	185	-	-	7,990.6	2,773
November	-	-	635.8	352	-	-	2,077.9	1,010
December	1.3	7	237.8	271	6.3	3	1,218.8	1,052
Total	3,503.5	6,198	7,029.5	11,587	3,323.1	4,793	104,502.4	81,136
CPUE (t/h)		0.565		0.607		0.693		1.288
% catch		3.35		6.73		3.18		
% effort		7.64		14.28		5.91		
Success ratio		0.44		0.47		0.54		

Total catch (t)

Total effort (hr)

Figure 4. Total trawl catch (t) and effort (hr) by major area in 1995.

Table 3. Total British Columbia trawl landings (t) by main species and major area in 1995 (excluding dumped and discarded fish).

Species	Major area								
	4B	3C	3D	5A	5B	5C	5D	5E	Total
English sole	38.6	110.9	33.5	50.4	51.1	101.7	1,101.5	-	1,487.7
Rock sole	20.1	124.0	49.2	235.6	300.8	328.9	979.8	0.4	2,038.8
Petrale sole	0.3	158.7	82.7	183.2	153.8	33.7	8.1	51.7	672.2
Dover sole	5.4	1,347.9	605.4	151.4	499.8	188.9	670.4	741.0	4,210.2
Rex sole	0.5	23.2	23.0	18.2	21.9	34.4	153.1	72.3	346.6
Starry flounder	14.4	5.4	-	0.1	1.2	1.8	58.0	-	80.9
Turbot	0.4	326.5	1,555.9	529.9	833.4	27.1	378.3	46.3	3,697.8
Other flatfish[a]	3.7	12.3	1.7	3.0	9.9	33.5	236.7	1.7	302.5
Pacific cod	23.8	502.9	149.6	148.2	198.1	275.9	1,049.4	3.8	2,351.7
Lingcod	1.0	805.3	501.8	682.0	557.6	389.3	165.8	8.3	3,111.1
Sablefish	-	110.7	101.3	21.5	58.3	59.5	18.6	57.6	427.5
Pollock	1,875.1	4.2	2.2	634.9	61.4	233.0	1,442.8	4.3	4,257.9
Hake	18,847.8	38,939.7	30.0	7.0	23.0	-	-	-	57,847.5
Pacific ocean perch	-	409.0	506.2	626.7	3,193.4	678.4	12.6	853.4	6,279.7
Other rockfish[a]	6.1	1,714.6	4,325.3	4,152.4	3,218.5	1,079.3	501.0	1,481.7	16,478.9
Misc. species[a]	26.9	138.8	10.7	24.6	80.9	36.0	246.8	0.4	565.1
Dogfish	111.0	188.3	8.7	14.4	2.8	1.6	3.1	-	329.9
Animal food[a]	-	-	-	-	-	-	-	-	-
Reduction[a]	1.3	6.9	1.2	1.3	1.5	0.5	3.5	0.2	16.4
Total	20,976.4	44,929.3	7,988.4	7,484.8	9,267.4	3,503.5	7,029.5	3,323.1	104,502.4
Effort	4,729	17,125	13,445	11,980	11,279	6,198	11,587	4,793	81,136

[a] Refer to Table 6 for breakdown by species.

Table 4. Total midwater[a] catch (t) and related effort[b] (h) for the British Columbia trawl fleet in 1995 (excludes dumped and discarded fish).

Major area	4B		3C		3D		5A		5B	
Month	Catch	Effort	Catch	Effort	Catch	Effort	Catch	Effort	Catch	Effort
January	1,802.8	1,009	5.2	8	23.6	13	680.6	318	28.1	8
February	1,234.5	534	-	2	31.0	29	127.1	57	-	1
March	5,515.6	803	-	-	8.9	5	33.1	9	12.1	8
April	3,895.5	442	1.2	9	42.7	74	80.7	78	121.3	89
May	1,356.3	62	370.7	113	52.7	82	60.3	62	141.1	119
June	1,032.0	78	7,548.0	572	6.8	8	0.5	9	8.6	6
July	1,067.3	80	8,834.5	574	353.7	269	142.4	149	97.4	83
August	1,119.5	66	7,805.6	636	335.0	289	51.1	25	229.0	115
September	3,617.0	307	7,540.7	716	94.9	82	239.2	111	120.8	95
October	180.5	52	6,851.5	915	76.4	77	93.0	35	-	-
November	-	-	573.2	167	477.8	301	319.5	135	71.6	55
December	-	-	90.0	64	438.6	405	355.7	215	89.1	86
Total	20,821.0	3,433	39,620.6	3,776	1,942.1	1,634	2,183.2	1203	919.1	665
CPUE (t/h)		6.065		10.493		1.189		1.815		1.382
% catch		31.28		59.53		2.92		3.28		1.38
% effort		29.92		32.91		14.24		10.48		5.80
Success ratio		1.05		1.81		0.20		0.31		0.24

[a] Midwater trawl catch and effort are included in all the trawl tables in this report.

[b] This effort was prorated using the known CPUE obtained from fishing logbooks which accounted for 96% of the midwater trawl catch.

Table 4 (cont'd)

Major area	5C		5D		5E		Total	
Month	Catch	Effort	Catch	Effort	Catch	Effort	Catch	Effort
January	-	-	42.1	31	-	-	2,582.4	1,387
February	-	-	14.9	13	-	-	1,407.5	636
March	-	-	3.1	9	-	-	5,572.8	834
April	-	-	-	1	-	-	4,141.4	693
May	-	-	3.8	3	-	-	1,984.9	441
June	7.2	5	-	-	-	-	8,603.1	678
July	5.6	11	-	-	-	-	10,500.9	1,166
August	-	-	-	-	-	-	9,540.2	1,131
September	-	-	-	-	-	-	11,612.6	1,311
October	-	-	113.7	57	-	-	7,315.1	1,136
November	-	-	635.8	352	-	-	2,077.9	1,010
December	1.3	7	237.8	271	6.3	3	1,218.8	1,051
Total	14.1	23	1,051.2	737	6.3	3	66,557.6	11,474
CPUE (t/h)		0.613		1.426		2.100		5.801
% catch		0.02		1.58		0.01		
% effort		0.20		6.42		0.03		
Success ratio		0.11		0.25		0.36		

Table 5. British Columbia midwater trawl landings[a] (t) by species and major area in 1995 (excluding dumped and discarded fish).

	Major area								
Species	4B	3C	3D	5A	5B	5C	5D	5E	Total
English sole	0.6	0.3	0.1	-	0.4	-	0.8	-	2.2
Rock sole	-	-	-	-	-	-	-	-	0.0
Petrale sole	-	0.2	0.2	-	0.1	-	-	-	0.5
Dover sole	-	0.8	-	-	2.2	-	-	-	3.0
Rex sole	-	0.7	0.2	-	0.2	-	-	-	1.1
Turbot	-	0.3	-	0.1	-	-	0.9	-	1.3
Other flatfish	-	0.6	-	-	-	-	-	-	0.6
Pacific cod	0.2	3.1	-	5.3	0.3	-	-	-	8.9
Lingcod	-	1.4	0.6	1.7	0.7	-	-	-	4.4
Sablefish	-	0.1	-	-	-	-	-	-	0.1
Pollock	1,875.1	1.3	1.6	622.5	43.3	-	901.9	-	3,445.7
Hake	18,847.8	38,939.3	29.6	6.8	22.3	-	-	-	57,845.8
Pacific ocean perch	-	0.9	6.2	4.7	61.3	-	-	-	73.1
Other rockfish	4.4	428.2	1,901.2	1,530.0	787.5	14.1	147.0	6.3	4,818.7
Misc. species	20.3	120.6	2.2	0.3	0.4	-	-	-	143.8
Dogfish	71.4	117.3	0.1	11.7	0.4	-	0.2	-	201.1
Reduction	1.2	5.5	0.1	0.1	-	-	0.4	-	7.3
Total	20,821.0	39,620.6	1,942.1	2,183.2	919.1	14.1	1,051.2	6.3	66,557.6
Effort	3,433	3,776	1,634	1,203	665	23	737	3	11,474

[a] These midwater trawl catches are included in all the trawl tables in this report.

Table 6. Species landed (t) as "other flatfish", "other rockfish", "miscellaneous species" and "reduction" by major area in 1995 (excludes dumped and discarded fish).

	Major area								
Species	4B	3C	3D	5A	5B	5C	5D	5E	Total
Other flatfish									
Butter sole	-	tr.	-	tr.	0.1	4.5	94.8	-	99.4
Curlfin sole	-	3.3	0.1	0.8	2.7	4.4	5.5	-	16.8
Flathead sole	tr.	3.6	1.1	1.1	5.4	4.4	13.9	1.6	31.1
Sand sole	tr.	3.6	tr.	0.7	1.1	19.8	121.5	-	146.7
Pacific sanddab	-	tr.	-	0.1	tr.	0.4	0.3	-	0.8
Halibut	tr.	1.7	0.5	0.2	0.5	0.1	0.5	0.1	3.6
Unspecified sole	3.6	-	-	-	-	-	-	-	3.6
Total	3.6	12.2	1.7	2.9	9.8	33.6	236.5	1.7	302.0
Other rockfish									
Aurora rockfish	-	0.3	0.2	0.1	0.1	-	-	-	0.7
Black rockfish	-	0.3	0.1	1.7	1.2	0.2	2.1	-	5.6
Bocaccio	0.2	55.8	112.8	146.7	92.9	63.9	28.0	7.7	508.0
Canary rockfish	tr.	173.9	448.7	68.7	102.8	53.9	6.4	3.5	857.9
China rockfish	-	tr.	-	0.6	-	0.2	tr.	-	0.8
Copper rockfish	-	3.4	0.3	0.6	0.1	4.6	11.2	-	20.2
Darkblotched rockfish	-	13.6	18.9	21.4	51.7	3.7	0.5	6.6	116.4
Dusky rockfish	-	-	tr.	-	tr.	0.1	-	tr.	0.1
Greenstriped rockfish	-	9.8	14.4	3.8	3.6	0.4	0.1	0.4	32.5
Harlequin rockfish	-	-	-	tr.	tr.	-	tr.	4.6	4.6
Quillback rockfish	-	4.4	1.0	14.4	2.1	4.0	7.7	0.1	33.7
Redbanded rockfish	tr.	25.9	44.2	46.5	195.7	111.7	47.1	15.0	486.1
Redstripe rockfish	tr.	110.2	400.5	355.2	328.0	42.8	1.0	106.8	1344.5
Rosethorn rockfish	-	0.5	0.7	0.4	0.9	0.6	0.6	1.4	5.1
Rougheye rockfish	0.2	125.8	143.5	86.2	159.3	14.1	5.9	612.0	1147.0
Sharpchin rockfish	-	32.5	47.2	65.6	56.3	8.5	0.3	8.0	218.4
Shortraker rockfish	0.2	57.6	34.4	15.6	47.3	20.5	7.7	164.7	348.0
Shortspine rockfish	-	220.1	308.3	60.8	197.5	94.5	120.5	237.8	1239.3

Table 6 (cont'd)

Species	Major area 4B	3C	3D	5A	5B	5C	5D	5E	Total
Other rockfish (cont'd)									
Silvergray rockfish	tr.	77.3	349.1	561.4	378.8	479.2	21.4	221.0	2088.2
Splitnose rockfish	-	23.9	22.3	8.1	35.8	0.9	tr.	1.3	92.3
Tiger rockfish	-	tr.	tr.	0.1	-	tr.	0.1	-	0.2
Vermilion rockfish	-	tr.	tr.	-	-	-	-	-	tr.
Widow rockfish	tr.	88.1	948.7	1033.4	325.5	8.9	1.3	7.5	2413.4
Yelloweye rockfish	0.1	5.1	8.6	8.8	17.4	3.5	2.5	0.1	46.1
Yellowmouth rockfish	-	64.9	275.5	658.3	289.5	15.8	0.6	72.3	1376.9
Yellowtail rockfish	5.4	621.2	1146.0	994.3	932.0	147.6	236.3	11.2	4094.0
Total	6.1	1714.6	4325.4	4152.5	3218.5	1079.6	501.3	1482.0	16480.0
Misc. species									
Cabezon	2.3	0.8	0.1	-	-	-	-	-	3.2
Chub mackerel	13.8	25.9	-	0.1	tr.	-	-	-	39.8
Jack mackerel	1.4	74.7	2.0	0.1	tr.	-	-	-	78.2
Greenlings	-	tr.	tr.	tr.	-	tr.	-	-	tr.
Grenadiers	-	0.2	-	-	1.4	-	-	-	1.6
Herring	-	0.3	tr.	-	-	-	-	-	0.3
Molas	-	-	tr.	-	-	-	-	-	tr.
Octopus	0.1	1.9	0.3	1.1	0.5	1.6	9.1	-	14.6
Pile perch	tr.	-	-	-	-	-	-	-	tr.
Ratfish	-	tr.	tr.	tr.	tr.	-	-	tr.	tr.
Salmon	0.9	6.1	0.1	0.1	tr.	-	-	-	7.2
Sculpins	0.1	0.6	tr.	tr.	-	-	0.2	tr.	0.9
Shad	4.1	13.0	0.1	tr.	tr.	-	0.2	-	17.4
Shark	-	tr.	-	tr.	tr.	-	-	-	tr.
Skate wings	4.1	10.2	6.6	16.9	77.1	34.1	236.5	0.3	385.8
Squid	tr.	0.5	0.2	tr.	tr.	tr.	0.4	0.1	1.2
Sturgeon	tr.	3.2	0.5	0.7	tr.	-	-	-	4.4
Wolf eel	-	1.7	0.5	5.7	1.2	0.1	0.2	-	9.4
Unspecified	0.1	0.1	-	-	0.7	-	-	-	0.9
Total	26.9	138.4	10.3	24.7	80.9	35.8	246.6	0.4	564.9

Table 6 (cont'd)

Species	Major area								
	4B	3C	3D	5A	5B	5C	5D	5E	Total
Reduction									
English sole	0.1	-	-	-	-	-	-	-	0.1
Herring	tr.	4.8	tr.	0.1	-	-	-	-	4.9
Ratfish	1.1	1.2	0.5	0.6	0.8	0.5	2.2	tr.	6.9
Rock sole	tr.	-	-	-	-	-	-	-	tr.
Shad	-	-	-	tr.	-	-	-	-	tr.
Skate	tr.	0.2	0.3	0.1	0.2	tr.	0.2	-	1.0
Squid	-	tr.	-	-	-	-	-	-	tr.
Unspecified	0.1	0.8	0.4	0.5	0.5	0.1	1.1	0.3	3.8
Total	1.3	7.0	1.2	1.3	1.5	0.6	3.5	0.3	16.7

Table 7. British Columbia trawl landings (t) by species and minor area in 1995.

	Minor Area					
	12	14	16	17	18	20
English s.	0.6	0.5	-	18.1	4.8	13.9
Rock sole	-	6.9	-	5.9	6.6	0.6
Petrale s.	-	-	-	-	-	0.3
Dover sole	-	-	-	-	-	5.4
Rex sole	-	-	-	-	-	0.5
Butter sole	-	-	-	-	-	-
Flathead s.	-	-	-	-	-	-
Sand sole	-	-	-	-	-	-
Turbot	-	-	-	-	-	0.4
Starry fldr	-	4.9	-	5.9	3.6	-
Other flat.	-		-	3.7	-	-
Pacific cod	0.1	0.5	-	1.0	0.5	21.6
Lingcod	-	-	-	-	0.1	0.8
Sablefish	-	-	-	-	-	-
Pollock	1,875.1	-	-	-	-	-
Ocean perch	-	-	-	-	-	-
Bocaccio	0.1	-	-	-	-	-
Canary rf	-	-	-	-	-	-
Redstripe rf	-	-	-	-	-	-
Rougheye rf	0.2	-	-	-	-	-
Silvergray rf	-	-	-	-	-	-
Yel'mouth rf	-	-	-	-	-	-
Yellowtail rf	-	-	-	-	-	5.3
Widow rf	-	-	-	-	-	-
Other rf	0.2	-	-	-	-	-
Hake	10.1	2,266.3	1,094.2	4,554.9	-	6,977.5
Octopus	-	-	-	-	-	0.1
Skate	-	-	-	1.5	1.0	1.4
Squid	-	-	-	-	-	-
Sturgeon	-	-	-	-	-	-
Misc. sp.	0.2	1.4	-	0.1	0.7	20.1
Dogfish	36.2	28.0	17.7	3.9	9.4	15.1
Reduction	1.2	-	-	0.1	-	-
Total	1,924.0	2,308.5	1,111.9	4,595.1	26.7	7,063.0
Discards	9.1	1.8	-	13.4	1.1	19.4

Table 7 (cont'd)

	Minor area					
	29	21	23	24	25	26
English s.	0.9	0.6	47.8	62.3	19.7	8.7
Rock sole	-	1.0	59.6	63.5	1.9	24.8
Petrale s.	-	-	49.5	108.8	62.1	8.6
Dover sole	-	2.2	993.0	352.8	457.5	34.2
Rex sole	-	0.3	11.6	11.2	16.9	2.1
Butter sole	-	-	-	-	-	-
Flathead s.	-	-	2.7	0.7	1.0	-
Sand sole	-	0.1	2.5	0.9	-	-
Turbot	-	2.5	191.5	132.7	1,446.4	51.6
Starry fldr	-	-	2.1	3.3	-	-
Other flat.	-	-	1.2	3.9	0.4	-
Pacific cod	-	0.3	469.0	33.5	97.8	31.1
Lingcod	-	1.7	340.3	463.0	356.8	84.8
Sablefish	-	0.7	67.6	42.2	78.4	10.4
Pollock	-	-	4.1	0.2	1.0	0.1
Ocean perch	-	2.5	178.8	227.6	401.1	5.2
Bocaccio	-	0.6	29.1	26.2	69.7	19.1
Canary rf	-	1.4	77.2	95.1	158.1	120.0
Redstripe rf	-	0.1	24.5	85.5	99.6	14.8
Rougheye rf	-	-	35.7	90.3	125.6	1.7
Silvergray rf	-	0.3	29.0	47.9	121.6	67.8
Yel'mouth rf	-	0.1	17.1	47.8	41.6	1.3
Yellowtail rf	-	38.2	197.1	386.1	893.7	191.2
Widow rf	-	0.2	6.2	81.5	862.7	58.5
Other rf	-	1.1	204.5	191.6	364.2	52.3
Hake	3,945.0	10,043.1	28,351.6	545.1	29.6	0.2
Octopus	-	-	0.8	1.0	0.1	-
Skate	0.1	0.2	7.9	2.1	1.1	1.7
Squid	-	-	0.3	0.1	0.1	-
Sturgeon	-	-	0.1	2.9	-	0.4
Misc. sp.	-	28.1	93.2	1.6	2.5	0.2
Dogfish	0.7	50.5	106.2	31.8	6.3	2.3
Reduction	-	3.0	3.0	0.8	0.6	0.2
Total	3,946.7	10,178.8	31,604.8	3,144.0	5,718.1	793.3
Discards	7.9	43.1	252.8	145.3	125.1	63.5

Table 7 (cont'd)

	Minor area					
	27	9	11	8	2BE	5L
English s.	4.9	-	50.4	51.1	26.6	74.2
Rock sole	22.7	-	235.6	300.8	280.4	48.2
Petrale s.	12.0	-	183.2	153.8	17.5	15.3
Dover sole	113.7	-	151.4	499.8	58.3	96.0
Rex sole	3.9	-	18.2	21.9	15.7	14.6
Butter sole	-	-	-	0.1	3.4	1.1
Flathead s.	-	-	0.9	5.4	2.2	2.0
Sand sole	-	-	0.7	1.1	18.0	1.8
Turbot	57.6	-	529.9	833.4	25.7	0.9
Starry fldr	-	-	0.1	1.2	1.7	-
Other flat.	0.1	-	1.0	3.4	4.3	0.3
Pacific cod	20.8	-	148.2	198.1	74.4	192.3
Lingcod	60.3	-	682.0	557.6	230.0	140.5
Sablefish	12.6	-	21.5	58.3	50.0	7.0
Pollock	0.9	-	634.9	61.4	230.0	2.6
Ocean perch	99.8	-	626.7	3,193.4	633.0	14.7
Bocaccio	23.7	-	146.7	92.9	34.8	26.9
Canary rf	170.9	-	68.7	102.8	39.7	9.1
Redstripe rf	285.9	-	355.2	328.0	30.0	1.6
Rougheye rf	16.2	-	86.2	159.5	14.2	0.1
Silvergray rf	159.5	-	561.4	378.8	398.0	32.0
Yel'mouth rf	232.4	-	658.2	289.6	13.0	0.8
Yellowtail rf	61.3	8.9	985.6	932.1	53.8	86.6
Widow rf	27.5	-	1,033.3	325.6	8.6	0.3
Other rf	83.7	-	248.3	609.7	178.6	54.9
Hake	0.1	-	7.0	23.0		
Octopus	-	-	1.0	0.6	1.3	0.3
Skate	3.6	-	16.9	77.2	16.5	17.0
Squid	-	-	-	-	-	-
Sturgeon	-	-	0.7	-	-	-
Misc. sp.	0.1	-	5.9	3.2		0.1
Dogfish	0.1	-	14.4	2.8	0.3	1.2
Reduction	0.1	-	1.3	1.5	0.4	0.1
Total	1,474.4	8.9	7,475.5	9,268.1	2,460.4	842.5
Discards	37.1	-	199.5	552.8	79.0	59.9

Table 7 (cont'd)

	Minor area					
	6	2AE	1E	4	5U	1W
English s.	0.9	24.4	30.1	990.3	56.7	-
Rock sole	0.3	113.2	30.1	503.4	333.0	0.3
Petrale s.	1.0	-	0.9	5.1	1.8	35.6
Dover sole	34.7	6.7	80.5	535.5	47.7	463.1
Rex sole	4.2	1.7	8.9	102.5	39.9	64.6
Butter sole	-	15.5	0.4	76.2	2.5	-
Flathead s.	0.2	-	1.6	9.1	3.3	1.3
Sand sole	-	29.9	6.2	76.4	9.0	-
Turbot	0.6	-	9.9	352.5	15.6	33.8
Starry fldr	-	3.1	25.1	28.6	1.1	-
Other flat.	-	0.5	0.5	3.1	2.2	-
Pacific cod	9.0	19.4	59.9	674.5	295.5	2.3
Lingcod	18.9	11.4	11.6	96.1	46.4	3.4
Sablefish	2.5	0.2	7.6	9.5	1.3	22.4
Pollock	0.6	48.0	632.5	743.1	19.1	1.8
Ocean perch	30.7	1.7	6.5	4.2	-	48.3
Bocaccio	2.3	0.3	17.0	6.5	4.2	3.3
Canary rf	5.1	-	2.2	3.8	0.3	1.3
Redstripe rf	11.1	-	1.0	-	-	5.7
Rougheye rf	-	-	5.7	-	-	40.8
Silvergray rf	49.2	0.8	12.6	4.5	3.5	111.0
Yel'mouth rf	2.0	-	-	0.6	-	0.3
Yellowtail rf	7.0	4.2	112.8	77.9	41.3	9.7
Widow rf	0.1		0.4	0.8	0.1	3.1
Other rf	19.7	4.1	125.5	53.2	17.5	273.7
Hake	-	-	-	-	-	-
Octopus	-	0.4	0.2	4.2	4.4	-
Skate	0.4	6.1	6.5	195.4	28.5	0.1
Squid	-	-	0.4	-	-	0.1
Sturgeon	-	-	-	-	-	-
Misc. sp.	-	0.2	-	0.3	-	-
Dogfish	-	-	0.6	1.8	0.7	-
Reduction	-	0.2	0.4	2.4	0.7	-
Total	200.5	292.0	1,197.6	4,561.5	976.3	1,126.0
Discards	33.1	52.2	43.6	331.2	103.5	133.6

Table 7 (cont'd)

	Minor area		
	2AW	2BW	Total
English s.	-	-	1,487.5
Rock sole	0.2	-	2,039.0
Petrale s.	15.9	0.2	671.6
Dover sole	277.3	0.5	4,210.3
Rex sole	7.7	-	346.4
Butter sole	-	-	99.2
Flathead s.	0.3	-	30.7
Sand sole	-	-	146.6
Turbot	12.5	0.2	3,697.7
Starry fldr	-	-	80.7
Other flat.	0.1	-	24.7
Pacific cod	1.2	0.2	2,351.2
Lingcod	3.8	1.0	3,110.5
Sablefish	35.3	-	427.5
Pollock	2.5	-	4,257.9
Ocean perch	784.0	21.0	6,279.2
Bocaccio	4.2	0.1	507.7
Canary rf	2.1	-	857.8
Redstripe rf	101.2	0.1	1,344.3
Rougheye rf	570.6	0.4	1,147.2
Silvergray rf	105.1	4.9	2,087.9
Yel'mouth rf	72.0	-	1,376.8
Yellowtail rf	1.4	-	4,094.2
Widow rf	4.2	-	2,413.1
Other rf	165.3	1.0	2,649.1
Hake	-	-	57,847.7
Octopus	-	-	14.4
Skate	0.2	-	385.4
Squid	-	-	1.0
Sturgeon	-	-	4.1
Misc. sp.	-	-	157.9
Dogfish	-	-	330.0
Reduction	0.2	-	16.2
Total	2,167.3	29.6	104,495.5
Discards	124.5	-	2,432.5

Tables of monthly catch (t) by major area

Table 8. 1995 British Columbia trawl landings (mt) of groundfish - International area 4B, Strait of Georgia.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
English s.	4.3	9.6	6.4	7.2	3.0	2.2	2.1	1.4	1.7	0.7			38.6
Rock s.	6.6	5.9	2.3	1.4	1.8	0.5	0.3	0.4	0.9				20.1
Petrale s.			0.1			0.1	0.1						0.3
Dover s.					0.1	1.8	3.5						5.4
Rex sole	0.1	0.1	0.1			0.1	0.1						0.5
Starry fldr	5.8	4.6	2.8	0.8	0.3	0.1							14.4
Turbot		0.4											0.4
Other flat.	0.9		0.6	0.1	2.1								3.7
Pacific cod	2.7	12.5	4.0	2.4	0.8	0.6	0.7			0.1			23.8
Lingcod	0.2	0.4	0.1	0.1	0.2								1.0
Sablefish													
Pollock	959.7	215.1	700.3										1,875.1
Hake	822.3	998.7	4,799.5	3,895.5	1,356.3	1,029.0	1,065.3	1,114.9	3,590.4	177.9			18,847.8
Ocean perch													
Other rockf.	0.5	0.3	0.2			1.2	2.0	0.3	1.6				6.1
Misc. sp.	2.0	1.7	1.5	0.3	0.6	0.2	0.1	2.5	16.5	1.5			26.9
Dogfish	19.6	22.9	14.4		7.7	31.9	2.3	2.0	9.2	1.0			111.0
Animal food													
Reduction	0.4	0.2	0.7										1.3
TOTAL	1,825.1	1,270.4	5,533.0	3,907.8	1,372.9	1,067.7	1,076.5	1,121.5	3,620.3	181.2			20,976.4

Table 9. 1995 British Columbia trawl landings (mt) of groundfish - International area 3C, southwest coast Vancouver Island.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
English s.	1.7	3.8	8.8	4.8	12.9	14.1	23.9	18.3	22.5	0.1			110.9
Rock s.	0.2	4.9	21.4	11.6	12.0	20.5	15.7	19.1	18.6				124.0
Petrale s.	26.6	15.9	21.9	5.8	5.1	12.4	26.1	21.5	23.4				158.7
Dover s.	50.7	125.3	290.4	548.5	179.9	42.8	42.0	32.4	35.6	0.3			1,347.9
Rex sole	0.8	1.1	3.4	1.9	2.4	3.9	3.5	3.1	2.8	0.3			23.2
Starry fldr		0.6	1.3	1.3	1.0	0.2	0.3	0.2	0.5				5.4
Turbot	3.3	43.1	49.5	63.9	53.0	11.9	67.4	22.4	12.0				326.5
Other flat.		0.5	4.3	2.8	1.4	1.2	0.7	0.4	0.7	0.3			12.3
Pacific cod	4.7	317.5	90.3	20.8	6.4	6.1	14.4	15.0	26.2	1.3	0.2		502.9
Lingcod	5.5	10.9	10.4	180.8	66.1	35.3	224.1	162.5	109.3	0.2	0.1	0.1	805.3
Sablefish	2.6	8.6	7.1	30.0	24.7	13.1	11.5	7.1	5.7	0.3			110.7
Pollock		2.6		0.1			0.2	0.1	0.4	0.8			4.2
Hake					367.4	7,482.4	8,775.0	7,747.9	7,421.1	6,593.7	552.1	0.1	38,939.7
Ocean perch	28.8	43.0	48.8	140.5	38.8	20.9	29.0	26.2	26.4	6.4	0.2		409.0
Other rockf.	89.6	142.8	141.4	214.2	153.4	116.7	247.9	153.4	197.9	149.2	18.3	89.8	1,714.6
Misc. sp.	0.3	3.0	4.7	3.4	1.5	2.1	2.6	6.6	29.1	83.8	1.7		138.8
Dogfish	18.7	14.4	17.9	13.0	6.0	23.0	21.3	14.1	39.2	20.1	0.6		188.3
Animal food Reduction		0.4	0.3	0.3	0.1		0.3	0.1	3.8	1.6			6.9
TOTAL	233.5	738.4	721.9	1,243.7	932.1	7,806.6	9,505.9	8,250.4	7,975.2	6,858.4	573.2	90.0	44,929.3

Table 10. 1995 British Columbia trawl landings (mt) of groundfish - International area 3D, northwest coast Vancouver Island.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
English s.	1.1	1.1	0.7	6.4	10.8	2.0	2.5	4.6	3.8	0.4		0.1	33.5
Rock s.	0.2		0.5	10.0	8.5	8.3	7.2	5.9	4.7	3.9			49.2
Petrale s.	2.5	4.9	4.5	12.1	26.0	7.8	8.1	8.9	7.7	0.2			82.7
Dover s.	41.6	32.5	51.7	145.7	187.6	39.0	53.0	26.2	24.5	3.6			605.4
Rex sole	1.4	0.5	0.9	4.8	3.8	2.4	3.6	2.4	3.2				23.0
Starry fldr													
Turbot	8.4	6.8	11.3	287.6	509.8	285.0	89.1	45.3	294.8	17.8			1,555.9
Other flat.	0.4			0.2	0.5	0.2	0.2	0.1	0.1				1.7
Pacific cod	10.6	6.0	5.5	28.9	57.8	10.8	13.2	7.6	7.7	1.5			149.6
Lingcod	3.1	7.1	7.4	110.6	173.6	36.8	38.8	57.9	63.4	2.6	0.2	0.3	501.8
Sablefish	3.2	3.4	3.8	16.3	26.7	12.2	16.0	8.5	9.9	1.3			101.3
Pollock	0.2		0.1	0.1	0.2		0.8	0.3				0.5	2.2
Hake							0.4	23.6			5.9	0.1	30.0
Ocean perch	22.8	21.0	13.2	81.0	79.3	38.7	104.6	87.7	55.5	2.4			506.2
Other rockf.	182.5	222.8	188.3	474.8	396.6	150.0	802.5	538.1	339.7	123.0	469.5	437.5	4,325.3
Misc. sp.	0.1	0.3	0.3	2.0	1.6	1.3	1.6	0.5	0.6	0.2	2.1	0.1	10.7
Dogfish	0.1	0.1	0.3	0.3	5.6	2.1	0.1	0.1					8.7
Animal food													
Reduction	0.1	0.1	0.1	0.2	0.3		0.1	0.2			0.1		1.2
TOTAL	278.3	306.6	288.6	1,181.0	1,488.7	596.6	1,141.8	817.9	815.6	156.9	477.8	438.6	7,968.4

Table 11. 1995 British Columbia trawl landings (mt) of groundfish - International area 5A, south Queen Charlotte Sound.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
English s.	0.8	3.1	5.7	2.6	12.1	8.7	6.6	5.7	3.8	1.3			50.4
Rock s.	3.4	3.1	5.7	5.7	80.5	60.6	34.2	28.3	11.9	2.2			235.6
Petrale s.	3.8	21.1	39.1	81.7	12.6	6.7	7.2	4.0	5.9	1.1			183.2
Dover s.	20.4	18.4	7.5	14.0	7.1	14.4	21.7	15.0	23.9	9.0			151.4
Rex sole	1.9	2.0	0.6	3.6	4.1	1.1	2.3	1.1	1.4	0.1			18.2
Starry fldr					0.1								0.1
Turbot	20.2	0.7	9.8	9.8	13.2	84.7	157.1	39.9	126.8	67.6	0.1		529.9
Other flat.	0.1			0.1	1.1	0.7	0.5	0.3	0.2				3.0
Pacific cod	4.7	15.9	7.8	18.8	21.6	21.4	19.8	17.3	14.5	6.4			148.2
Lingcod	1.2	2.1	6.5	30.5	90.4	176.6	150.5	139.3	69.4	13.9	0.4	1.2	682.0
Sablefish	1.5	1.3	2.4	2.2	1.1	1.5	5.2	1.9	3.4	1.0			21.5
Pollock	608.3	0.2		0.2	1.5	0.7	7.6	0.9	5.1	1.7	8.7		634.9
Hake	1.3						1.2	0.1	1.1	0.2	3.1		7.0
Ocean perch	29.3	87.1	74.6	184.0	41.4	29.7	47.2	40.1	85.4	7.9			626.7
Other rockf.	284.8	546.9	199.0	394.8	612.8	153.6	407.0	251.9	495.9	144.0	307.2	354.5	4,152.4
Misc. sp.	0.1	1.1	1.9	2.8	6.2	4.5	3.1	3.0	1.6	0.3			24.6
Dogfish	11.4	0.3	0.1	1.7	0.1	0.8							14.4
Animal food Reduction	0.1	0.2	0.1	0.3	0.1	0.2	0.3						1.3
TOTAL	993.3	703.5	360.8	752.8	906.0	565.9	871.5	548.8	850.3	256.7	319.5	355.7	7,484.8

Table 12. 1995 British Columbia trawl landings (mt) of groundfish - International area 5B, north Queen Charlotte Sound.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
English s.	2.8	1.4	1.6	8.8	2.8	6.7	7.5	11.9	5.6	1.7		0.3	51.1
Rock s.	1.2	0.1	0.8	6.4	45.2	21.9	59.2	49.9	99.9	16.2			300.8
Petrale s.	8.9	36.0	19.1	52.5	16.3	2.9	4.9	4.7	6.9	1.6			153.8
Dover s.	14.3	2.3	15.3	51.0	124.3	60.9	101.2	58.4	58.4	13.7			499.8
Rex sole	2.0	0.5	1.2	1.8	3.7	3.4	5.6	1.2	2.1	0.4			21.9
Starry fldr								1.2					1.2
Turbot	38.3	106.4	13.1	47.1	199.0	176.9	80.5	80.0	91.2	0.9			833.4
Other flat.	0.7		0.2	0.7	0.2	2.1	2.3	2.1	1.0	0.6			9.9
Pacific cod	17.2	13.9	19.4	28.3	13.2	17.7	37.3	24.2	18.3	8.6			198.1
Lingcod	21.7	0.9	1.3	21.5	39.8	144.0	140.1	85.2	92.4	10.5	0.1	0.1	557.6
Sablefish	1.4	1.9	1.8	4.7	6.5	7.9	20.1	7.0	5.9	1.1			58.3
Pollock	0.6	1.7		28.5	1.6	0.7	4.5	5.9	0.8	0.2	0.1	16.8	61.4
Hake						0.7	1.0	21.3					23.0
Ocean perch	296.8	461.8	241.5	512.3	377.7	363.3	343.2	214.2	239.3	143.3			3,193.4
Other rockf.	204.3	197.6	101.2	373.7	457.2	211.0	564.0	499.5	380.7	86.0	71.4	71.9	3,218.5
Misc. sp.	1.2	0.3	2.5	7.8	14.6	19.7	24.3	5.6	3.1	1.8			80.9
Dogfish				0.3	0.7	1.1	0.2	0.1	0.3	0.1			2.8
Animal food Reduction				0.1	0.7	0.2	0.4	0.1					1.5
TOTAL	611.4	824.8	419.0	1,145.5	1,303.5	1,041.1	1,396.3	1,072.5	1,005.9	286.7	71.6	89.1	9,267.4

Table 13. 1995 British Columbia trawl landings (mt) of groundfish - International area 5C, south Hecate Strait.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
English s.	1.5	0.7	2.3	3.2	5.1	15.1	3.0	3.3	52.2	15.3			101.7
Rock s.	9.7	10.6	30.6	38.3	85.5	122.2	9.3	6.5	13.3	2.9			328.9
Petrale s.	0.4	0.3	0.3	0.5	3.6	15.2	4.3	0.8	7.0	1.3			33.7
Dover s.			0.2	6.7	51.9	66.3	43.9	4.7	9.5	5.7			188.9
Rex sole	0.9	0.2	1.7	2.3	7.5	9.9	4.3	0.8	6.4	0.4			34.4
Starry fldr			1.1	0.1	0.1	0.1	0.2	0.2					1.8
Turbot	0.5		0.4	3.9	12.1	1.9	4.7		0.1	3.5			27.1
Other flat.	0.3	1.1	6.4	4.4	11.0	5.8	1.1	1.6	1.8				33.5
Pacific cod	2.4	5.4	147.2	35.1	5.8	24.2	10.0	4.9	37.5	3.4			275.9
Lingcod	21.8	76.2	39.4	20.1	5.7	84.5	13.1	30.5	92.4	5.6			389.3
Sablefish	0.1		0.3	7.1	13.8	22.5	10.8	1.4	2.6	0.9			59.5
Pollock	1.6	1.5	1.1	62.2	160.1	2.9	1.0	1.0	1.3	0.3			233.0
Hake													
Ocean perch	2.3	5.5	2.8	40.0	182.4	209.1	100.1	26.0	104.6	5.6			678.4
Other rockf.	16.0	18.3	51.2	114.4	206.0	260.9	194.7	51.8	145.2	19.5		1.3	1,079.3
Misc. sp.	0.8	0.3	3.5	1.4	3.7	12.5	5.4	0.4	7.9	0.1			36.0
Dogfish	0.2			0.1		0.5	0.1		0.7				1.6
Animal food													
Reduction	0.2		0.3										0.5
TOTAL	58.7	120.1	288.8	339.8	754.3	853.6	406.0	133.9	482.5	64.5		1.3	3,503.5

Table 14. 1995 British Columbia trawl landings (mt) of groundfish - International area 5D, north Hecate Strait.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
English s.	83.8	124.6	138.7	137.9	140.1	187.3	176.6	57.7	51.2	2.8	0.3	0.5	1,101.5
Rock s.	47.4	32.8	45.8	48.9	87.2	195.6	278.3	86.1	144.5	13.2			979.8
Petrale s.	0.5	0.1	0.5	0.7	1.0	1.9	1.0	1.4	0.9	0.1			8.1
Dover s.	0.5	0.1	0.2	5.2	44.4	272.2	163.8	79.5	98.8	5.7			670.4
Rex sole	4.7	14.7	5.7	12.3	13.8	33.5	27.1	18.2	19.5	3.6			153.1
Starry fldr	25.0	3.6	0.2	2.0	1.9	4.3	10.9	5.5	4.5	0.1			58.0
Turbot	0.8	3.3	1.4	10.2	116.6	110.7	82.0	20.0	0.4	30.2	0.6	0.1	378.3
Other flat.	6.4	23.8	10.4	21.7	35.6	50.9	39.6	19.8	27.0	1.5			236.7
Pacific cod	41.0	35.4	80.6	356.4	219.9	116.4	133.4	34.1	30.4	1.8			1,049.4
Lingcod	12.7	28.3	7.7	40.1	19.8	18.2	18.1	8.4	11.6	0.9			165.8
Sablefish				0.1	2.3	4.7	4.8	2.4	3.9	0.4			18.6
Pollock	5.2	3.0	0.8	17.9	332.0	53.7	74.0	24.6	28.5	91.8	594.7	216.6	1,442.8
Hake													
Ocean perch	0.1			0.1	0.6	2.2	3.8	1.9	3.8	0.1			12.6
Other rockf.	57.3	48.4	27.1	26.3	49.3	54.2	60.9	38.8	45.4	33.1	39.6	20.6	501.0
Misc. sp.	7.5	20.0	36.4	54.2	36.2	29.7	29.6	11.7	20.6	0.9			246.8
Dogfish	0.3	0.6			1.4	0.3	0.1	0.1	0.1		0.2		3.1
Animal food													
Reduction	0.4	0.5	0.3	0.2	0.7	0.2	0.7		0.1		0.4		3.5
TOTAL	293.6	339.2	355.8	734.2	1,104.8	1,136.0	1,104.7	410.2	491.2	186.2	635.8	237.8	7,029.5

Table 15. 1995 British Columbia trawl landings (mt) of groundfish - International area 5E, west coast Queen Charlotte Islands.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
English s.													
Rock s.	0.1		0.3										0.4
Petrale s.	2.0	9.9	13.4	18.6	7.5	0.2	0.1						51.7
Dover s.	115.3	86.1	107.3	151.0	246.9	29.5	4.3		0.6				741.0
Rex sole	5.7	7.9	4.9	16.7	30.6	4.5	1.9		0.1				72.3
Starry fldr													
Turbot	8.6	7.7	2.6	24.3	0.4	2.7							46.3
Other flat.		0.4		0.1	0.6	0.1	0.5						1.7
Pacific cod		0.8	1.4	0.1	1.2		0.3						3.8
Lingcod	1.4	3.0	1.0	0.4	1.3	0.1	1.0		0.1				8.3
Sablefish	6.0	7.3	5.8	10.5	16.9	8.6	2.4		0.1				57.6
Pollock	1.0	0.2	0.1	0.9	2.0	0.1							4.3
Hake													
Ocean perch	229.0	294.6	83.7	107.9	106.1	18.4	10.4		3.3				853.4
Other rockf.	231.4	344.3	194.2	243.0	308.6	100.6	42.7		10.6			6.3	1,481.7
Misc. sp.			0.1		0.2				0.1				0.4
Dogfish													
Animal food													
Reduction		0.1			0.1								0.2
TOTAL	600.5	762.3	414.8	573.5	722.4	164.8	63.6		14.9			6.3	3,323.1

Table 16. 1995 British Columbia trawl landings (mt) of groundfish - coastwide total.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
English s.	96.0	144.3	164.2	170.9	186.8	236.1	222.2	102.9	140.8	22.3	0.3	0.9	1,487.7
Rock s.	68.8	57.4	107.4	122.3	320.7	429.6	404.2	196.2	293.8	38.4			2,038.6
Petrale s.	44.7	88.2	98.9	171.9	72.1	47.2	51.8	41.3	51.8	4.3			672.2
Dover s.	242.8	264.7	472.6	922.1	842.2	526.9	433.4	216.2	251.3	38.0			4,210.2
Rex sole	17.5	27.0	18.5	43.4	65.9	58.8	48.4	26.8	35.5	4.8			346.6
Starry fldr	30.8	8.8	5.4	4.2	3.4	4.7	11.4	7.1	5.0	0.1			80.9
Turbot	80.1	168.4	88.1	446.8	906.1	673.8	480.8	207.6	525.3	120.0	0.7	0.1	3,697.8
Other flat.	8.8	25.8	21.9	30.1	52.5	61.0	44.9	24.3	30.8	2.4			302.5
Pacific cod	83.3	407.4	356.2	490.8	326.7	197.2	229.1	103.1	134.6	23.1	0.2		2,351.7
Lingcod	67.6	128.9	73.8	404.1	396.9	495.5	585.7	483.8	438.6	33.7	0.8	1.7	3,111.1
Sablefish	14.8	22.5	21.2	70.9	92.0	70.5	70.8	28.3	31.5	5.0			427.5
Pollock	1,576.6	224.3	702.4	109.9	497.4	58.1	88.1	32.8	36.1	94.8	603.5	233.9	4,257.9
Hake	823.6	996.7	4,799.5	3,895.5	1,723.7	8,512.1	9,842.9	8,907.8	11,012.6	6,771.8	561.1	0.2	57,847.5
Ocean perch	609.1	913.0	464.6	1,065.8	826.3	682.3	638.3	396.1	518.3	165.7	0.2		6,279.7
Other rockf.	1,066.4	1,521.4	902.6	1,841.2	2,183.9	1,048.2	2,321.7	1,533.8	1,617.0	554.8	906.0	981.9	16,478.9
Misc. sp.	12.0	26.7	50.9	71.9	64.6	70.0	66.7	30.3	79.5	88.6	3.8	0.1	565.1
Dogfish	50.3	38.3	32.7	15.4	21.5	59.7	24.1	16.4	49.5	21.2	0.8		329.9
Animal food Reduction	1.2	1.5	1.8	1.1	2.0	0.6	1.8	0.4	3.9	1.6	0.5		16.4
TOTAL	4,894.4	5,065.3	8,382.7	9,878.3	8,584.7	13,232.3	15,566.3	12,355.2	15,255.9	7,990.6	2,077.9	1,218.8	104,502.4

Tables of monthly catch (t) by minor area

Table 17. 1995 British Columbia trawl landings (mt) of groundfish from statistical area 12.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English s.	0.1		0.5										0.6
Rock sole													
Petrale s.													
Dover sole													
Rex sole													
Butter sole													
Flathead s.													
Sand sole													
Turbot													
Starry fldr													
Other flat.													
													0.1
Pacific cod	0.1												
Lingcod													
Sablefish													1,875.1
Pollock	959.7	215.1	700.3										
Ocean perch													0.1
Bocaccio	0.1												
Canary rf													
Redstripe rf													0.2
Rougheye rf	0.2												
Silvergray rf													
Yel'mouth rf													
Yellowtail rf													
Widow rf													0.2
Other rf	0.1		0.1										
													10.1
Hake	7.6	0.4	2.1										
Octopus													
Perch													
Skate													
Squid													
Sturgeon													0.2
Misc. sp.	0.1		0.1										36.2
Dogfish	19.6	4.9	11.7										1.2
Reduction	0.4	0.1	0.7										
Animal food													
													1,924.0
Total	988.0	220.5	715.5										
													9.1
Discards		3.0	6.1										

Table 18. 1995 British Columbia trawl landings (mt) of groundfish from statistical area 14.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English s.						0.5							0.5
Rock sole	3.6	3.3											6.9
Petrale s.													
Dover sole													
Rex sole													
Butter sole													
Flathead s.													
Sand sole													
Turbot													
Starry fldr	3.1	1.8											4.9
Other flat.													
Pacific cod	0.2					0.3							0.5
Lingcod													
Sablefish													
Pollock													
Ocean perch													
Bocaccio													
Canary rf													
Redstripe r													
Rougheye rf													
Silvergray													
Yel'mouth r													
Yellowtail													
Widow rf													
Other rf													
Hake	294.0	223.0	11.0	983.9	754.4								2,266.3
Octopus													
Perch													
Skate													
Squid													
Sturgeon													
Misc. sp.	0.8	0.6											1.4
Dogfish						28.0							28.0
Reduction													
Animal food													
Total	301.7	228.7	11.0	983.9	754.4	28.8							2,308.5
Discards	1.6	0.2											1.8

Table 19. 1995 British Columbia trawl landings (mt) of groundfish from statistical area 16.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English s.													
Rock sole													
Petrale s.													
Dover sole													
Rex sole													
Butter sole													
Flathead s.													
Sand sole													
Turbot													
Starry fldr													
Other flat.													
Pacific cod													
Lingcod													
Sablefish													
Pollock													
Ocean perch													
Bocaccio													
Canary rf													
Redstripe r													
Rougheye rf													
Silvergray													
Yel'mouth r													
Yellowtail													
Widow rf													
Other rf													
Hake	519.5	574.7											1,094.2
Octopus													
Perch													
Skate													
Squid													
Sturgeon													
Misc. sp.													
Dogfish		17.7											17.7
Reduction													
Animal food													
Total	519.5	592.4											1,111.9

Discards

Table 20. 1995 British Columbia trawl landings (mt) of groundfish from statistical area 17.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English s.	2.3	4.5	3.6	2.0	2.3	0.9	0.8	0.9	0.5	0.3			18.1
Rock sole	1.1	1.3	2.0	0.6	0.4	0.3	0.1	0.1					5.9
Petrale s.													
Dover sole													
Rex sole													
Butter sole													
Flathead s.													
Sand sole													
Turbot													
Starry fldr	1.7	1.1	2.2	0.5	0.3	0.1							5.9
Other flat.	0.9		0.6	0.1	2.1								3.7
Pacific cod	0.1	0.4	0.3		0.1	0.1							1.0
Lingcod													
Sablefish													
Pollock													
Ocean perch													
Bocaccio													
Canary rf													
Redstripe r													
Rougheye rf													
Silvergray													
Yel'mouth r													
Yellowtail													
Widow rf													
Other rf													
Hake	0.7	164.8	2,494.3	1,293.1	602.0								4,554.9
Octopus													
Perch													
Skate	0.3	0.2	0.4	0.1	0.4	0.1							1.5
Squid													
Sturgeon													
Misc. sp.	0.1												0.1
Dogfish			2.1		0.4	0.2	0.8	0.2	0.2				3.9
Reduction		0.1											0.1
Animal food													
Total	7.2	172.4	2,505.5	1,296.4	606.0	1.7	1.7	1.2	0.7	0.3			4,595.1
Discards	1.2	2.7	3.0	2.9	3.6								13.4

Table 21. 1995 British Columbia trawl landings (mt) of groundfish from statistical area 18.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English s.	0.7	0.5	0.3	0.7	0.4	0.4	0.5	0.5	0.8				4.8
Rock sole	1.5	1.1	0.3	0.8	1.4	0.2	0.1	0.3	0.9				6.6
Petrale s.													
Dover sole													
Rex sole													
Butter sole													
Flathead s.													
Sand sole													
Turbot													
Starry fldr	1.0	1.7	0.6	0.3									3.6
Other flat.													
Pacific cod			0.1	0.1	0.1	0.2							0.5
Lingcod					0.1								0.1
Sablefish													
Pollock													
Ocean perch													
Bocaccio													
Canary rf													
Redstripe r													
Rougheye rf													
Silvergray													
Yel'mouth r													
Yellowtail													
Widow rf													
Other rf													
Hake													
Octopus													
Perch													
Skate	0.2	0.2	0.1		0.1			0.1	0.3				1.0
Squid													
Sturgeon													
Misc. sp.	0.4	0.1		0.1	0.1								0.7
Dogfish					7.3	2.0	0.1						9.4
Reduction													
Animal food													
Total	3.8	3.6	1.4	2.0	9.5	2.8	0.7	0.9	2.0				26.7
Discards							1.1						1.1

Table 22. 1995 British Columbia trawl landings (mt) of groundfish from statistical area 20.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English s.	1.2	4.6	2.0	4.6	0.3	0.4	0.8						13.9
Rock sole	0.4	0.2											0.6
Petrale s.			0.1			0.1	0.1						0.3
Dover sole					0.1	1.8	3.5						5.4
Rex sole	0.1	0.1	0.1			0.1	0.1						0.5
Butter sole													
Flathead s.													
Sand sole													
Turbot		0.4											0.4
Starry fldr													
Other flat													
Pacific cod	2.3	12.0	3.6	2.3	0.6	0.1	0.6			0.1			21.6
Lingcod	0.1	0.4	0.1	0.1	0.1								0.8
Sablefish													
Pollock													
Ocean perch													
Bocaccio													
Canary rf													
Redstripe r													
Rougheye rf													
Silvergray													
Yel'mouth r													
Yellowtail	0.1	0.2				1.1	2.0	0.3	1.6				5.3
Widow rf													
Other rf													
Hake						1,029.0	1,065.3	1,114.9	3,590.4	177.9			6,977.5
Octopus		0.1											0.1
Perch													
Skate	0.1	0.4	0.9										1.4
Squid													
Sturgeon													
Misc. sp.						0.1		2.4	16.1	1.5			20.1
Dogfish		0.2				1.7	1.4	1.9	8.9	1.0			15.1
Reduction													
Animal food													
Total	4.3	18.6	6.8	7.0	1.1	1,034.4	1,073.8	1,119.5	3,617.0	180.5			7,063.0
Discards	4.9	0.9	9.1							4.5			19.4

Table 23. 1995 British Columbia trawl landings (mt) of groundfish from statistical area 29.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English s.									0.5	0.4			0.9
Rock sole													
Petrale s.													
Dover sole													
Rex sole													
Butter sole													
Flathead s.													
Sand sole													
Turbot													
Starry fldr													
Other flat.													
Pacific cod													
Lingcod													
Sablefish													
Pollock													
Ocean perch													
Bocaccio													
Canary rf													
Redstripe r													
Rougheye rf													
Silvergray													
Yel'mouth r													
Yellowtail													
Widow rf													
Other rf													
Hake	0.5	33.9	2,292.1	1,618.5									3,945.0
Octopus													
Perch													
Skate									0.1				0.1
Squid													
Sturgeon													
Misc. sp.													
Dogfish			0.6						0.1				0.7
Reduction													
Animal food													
Total	0.5	33.9	2,292.7	1,618.5					0.7	0.4			3,946.7
Discards		0.5	5.5	1.9									7.9

Table 24. 1995 British Columbia trawl landings (mt) of groundfish from statistical area 21.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English s.					0.2	0.3	0.1						0.6
Rock sole		0.2	0.2	0.4	0.2								1.0
Petrale s.													
Dover sole				0.3		0.6	1.3						2.2
Rex sole							0.3						0.3
Butter sole													
Flathead s.													
Sand sole		0.1											0.1
Turbot				0.2			2.3						2.5
Starry fldr													
Other flat.													
Pacific cod	0.1				0.1		0.1						0.3
Lingcod				1.3	0.4								1.7
Sablefish				0.3	0.4								0.7
Pollock													
Ocean perch				0.9	1.6								2.5
Bocaccio				0.4					0.1	0.1			0.6
Canary rf	0.1			0.1	0.2				1.0				1.4
Redstripe r								0.1					0.1
Rougheye rf													
Silvergray				0.1	0.2								0.3
Yel'mouth r							0.1						0.1
Yellowtail					0.4	13.5	1.5	6.0	6.3	10.5			38.2
Widow rf							0.1		0.1				0.2
Other rf				0.5			0.6						1.1
Hake						2,209.3	709.0	1,576.0	2,729.3	2,819.5			10,043.1
Octopus													
Perch													
Skate							0.2						0.2
Squid													
Sturgeon													
Misc. sp.						0.1		0.8	9.7	17.5			28.1
Dogfish	4.8					5.2	1.2	2.9	26.3	10.1			50.5
Reduction									2.3	0.7			3.0
Animal food													
Total	5.0	0.3	0.2	4.5	3.7	2,229.0	716.8	1,585.8	2,775.1	2,858.4			10,178.8
Discards						13.6		0.9	0.5	28.1			43.1

Table 25. 1995 British Columbia trawl landings (mt) of groundfish from statistical area 23.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English s.	1.1	3.6	7.7	3.2	9.4	3.1	4.6	8.0	7.0	0.1			47.8
Rock sole	0.2	4.5	13.5	1.3	3.4	11.3	6.9	8.5	10.0				59.6
Petrale s.	3.9	3.8	7.0	1.7	1.1	0.6	1.5	14.8	15.1				49.5
Dover sole	45.8	121.5	236.3	390.9	132.6	23.8	17.3	14.1	10.4	0.3			993.0
Rex sole	0.2	0.8	2.4	1.0	2.0	2.6	0.8	0.9	0.6	0.3			11.6
Butter sole													
Flathead s.		0.2	0.3	0.1	0.6	0.6	0.2	0.1	0.3	0.3			2.7
Sand sole			1.6	0.9									2.5
Turbot	1.0	39.2	20.8	45.5	23.7	7.5	41.8	10.3	1.7				191.5
Starry fldr		0.5	0.9	0.2	0.1	0.1		0.1	0.2				2.1
Other flat.		0.1	0.4	0.2		0.1	0.1	0.2	0.1				1.2
Pacific cod	3.1	317.2	88.6	18.3	4.4	3.1	2.4	11.1	19.3	1.3	0.2		469.0
Lingcod	2.0	8.5	4.0	119.0	24.0	2.8	17.8	140.3	21.7	0.1	0.1		340.3
Sablefish	1.6	6.1	5.0	20.6	17.1	7.7	5.5	2.8	1.2				67.6
Pollock		2.6		0.1			0.1	0.1	0.4	0.8			4.1
Ocean perch	8.7	14.3	24.4	55.1	27.0	17.8	14.6	8.7	7.4	0.6	0.2		178.8
Bocaccio	0.8	2.0	0.4	11.6	0.6	1.5	7.8	2.2	1.1	0.8	0.2	0.1	29.1
Canary rf	5.4	19.9	3.7	9.1	5.0	5.6	16.8	8.7	2.5	0.5			77.2
Redstripe r	1.9	4.8	2.6	1.6	1.8	0.8	2.3	4.3	3.5	0.8	0.1		24.5
Rougheye rf	7.1	1.9	10.0	5.8	7.5	1.2	1.8	0.3	0.1				35.7
Silvergray	1.5	10.9	1.9	3.0	1.3	1.4	5.2	3.2	0.4	0.1	0.1		29.0
Yel'mouth r	0.1	0.3	1.0	7.8	4.9	0.3	0.8	0.8	0.4	0.1	0.6		17.1
Yellowtail	0.6	5.9	3.0	4.0	9.3	26.2	33.4	31.2	34.5	42.1	6.8		197.1
Widow rf	0.3		0.1	0.5		0.3	4.5	0.3	0.1	0.1			6.2
Other rf	5.4	15.0	34.4	52.0	62.2	13.3	11.5	5.1	5.4	0.1	0.1		204.5
Hake					281.0	5,128.3	8,066.0	5,878.3	4,672.1	3,773.8	552.1		28,351.6
Octopus		0.1	0.2	0.1			0.1	0.1	0.2				0.8
Perch													
Skate	0.1	2.4	2.3	0.2	0.8	0.5	0.2	0.6	0.3	0.4	0.1		7.9
Squid		0.2						0.1					0.3
Sturgeon			0.1										0.1
Misc. sp.			0.1	0.1	0.2	0.9	1.3	4.6	18.5	65.9	1.6		93.2
Dogfish	12.0	14.2	7.5	0.9	0.1	17.8	19.1	11.2	12.8	10.0	0.6		106.2
Reduction		0.2	0.2	0.1				0.1	1.5	0.9			3.0
Animal food													
Total	102.8	600.7	480.4	754.9	620.1	5,279.2	8,284.4	6,171.1	4,848.9	3,899.4	562.8	0.1	31,804.8
Discards	2.7	26.2	7.5	54.9	17.9	1.5	28.2	49.9	64.0				252.8

Table 26. 1995 British Columbia trawl landings (mt) of groundfish from statistical area 24.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English s.	0.6	0.1	1.0	1.6	3.3	10.8	19.2	10.2	15.5				62.3
Rock sole		0.2	7.7	9.9	8.4	9.2	8.8	10.6	8.7				63.5
Petrale s.	22.6	12.0	14.9	4.1	3.9	11.8	24.5	6.7	8.3				108.8
Dover sole	4.9	3.8	54.1	157.3	47.4	18.4	23.4	18.3	25.2				352.8
Rex sole	0.6	0.3	1.0	0.8	0.4	1.3	2.4	2.2	2.2				11.2
Butter sole													
Flathead s.				0.3		0.1	0.2		0.1				0.7
Sand sole			0.3	0.3	0.2	0.1							0.9
Turbot	2.3	3.9	28.7	18.3	29.3	4.4	23.4	12.1	10.3				132.7
Starry fldr		0.1	0.4	1.1	0.9	0.1	0.2	0.2	0.3				3.3
Other flat.			1.6	1.0	0.5	0.3	0.2	0.2	0.1				3.9
Pacific cod	1.4	0.3	1.7	2.5	2.0	3.0	11.8	3.8	7.0				33.5
Lingcod	3.5	2.4	6.3	60.5	41.7	32.4	206.3	22.2	87.5	0.1		0.1	463.0
Sablefish	0.9	2.5	2.1	9.2	7.1	5.5	5.9	4.3	4.5	0.2			42.2
Pollock							0.2						0.2
Ocean perch	20.0	28.7	24.5	84.6	10.1	3.1	14.4	17.5	19.0	5.7			227.6
Bocaccio	0.3	1.0	2.3	4.8	6.1	1.1	2.0	4.0	4.2	0.2		0.2	26.2
Canary rf	3.3	3.6	4.1	15.6	14.2	10.9	21.3	8.5	13.5			0.1	95.1
Redstripe r	4.3	6.1	7.8	15.0	4.7	0.9	27.8	5.5	11.1	1.8	0.5		85.5
Rougheye rf	3.3	3.4	18.5	2.7	1.5	0.4	15.6	13.6	31.2	0.1			90.3
Silvergray	1.8	1.3	6.5	14.7	3.1	1.4	5.4	5.5	8.0	0.2			47.9
Yel'mouth r	1.1	0.8	4.9	5.3	3.0	0.9	3.1	14.9	13.8				47.8
Yellowtail	45.3	50.3	21.6	19.5	9.6	27.1	52.3	18.7	20.4	41.2	5.2	74.9	386.1
Widow rf	1.7	3.7	1.7	1.2	0.2	0.2	0.9	0.1	3.1	49.7	4.6	14.4	81.5
Other rf	5.3	12.0	16.9	39.0	17.3	9.8	33.1	20.5	36.9	0.8			191.8
Hake					86.5	144.8		293.6	19.7	0.4		0.1	545.1
Octopus						0.2	0.4	0.1	0.3				1.0
Perch													
Skate	0.2	0.1	0.4	0.6	0.3	0.1	0.2	0.1	0.1				2.1
Squid							0.1						0.1
Sturgeon			1.1	1.8									2.9
Misc. sp.			0.3	0.5		0.3	0.2	0.2	0.1				1.6
Dogfish	1.8	0.2	10.5	12.2	5.9		1.0	0.1	0.1				31.8
Reduction		0.2	0.1	0.1	0.1		0.3						0.8
Animal food													
Total	125.2	137.0	241.0	484.5	307.7	298.6	504.6	493.7	351.2	100.4	10.3	89.8	3,144.0
Discards	6.3	14.6	9.1	41.6	10.3	5.5	37.9	19.1		0.9			145.3

Table 27. 1995 British Columbia trawl landings (mt) of groundfish from statistical area 25.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English s.	0.7	0.8	0.2	2.5	5.6	1.5	1.1	3.5	3.7			0.1	19.7
Rock sole	0.2			0.3	0.2	0.1		0.4	0.7				1.9
Petrale s.	1.4	2.4	2.4	4.4	21.2	7.1	7.3	8.4	7.5				62.1
Dover sole	39.9	29.7	51.4	120.5	109.0	32.4	32.8	18.8	20.7	2.3			457.5
Rex sole	0.9	0.2	0.7	3.9	2.8	2.1	1.3	2.2	2.8				16.9
Butter sole													
Flathead s.	0.4				0.4		0.2						1.0
Sand sole													
Turbot	8.4	6.8	10.4	284.9	474.4	267.1	57.7	39.8	293.2	3.7			1,446.4
Starry fldr													
Other flat.				0.1	0.1	0.2							0.4
Pacific cod	9.2	3.0	3.1	12.7	47.4	6.0	5.3	4.4	6.5	0.2			97.8
Lingcod	2.5	3.3	4.0	49.3	132.8	28.7	23.6	52.8	58.4	0.9	0.2	0.3	356.8
Sablefish	3.0	3.0	3.6	14.9	18.0	11.4	8.5	7.2	8.2	0.6			78.4
Pollock					0.1		0.1	0.3				0.5	1.0
Ocean perch	7.2	5.3	7.9	77.6	56.6	36.8	75.0	86.7	45.6	2.4			401.1
Bocaccio	2.9	2.8	3.9	11.4	17.4	3.0	10.7	5.7	6.3	1.7	2.8	1.1	66.7
Canary rf	7.7	1.7	9.0	39.3	27.3	17.2	22.3	14.8	9.1	3.9	4.1	1.7	158.1
Redstripe r	4.3	2.9	0.4	14.5	9.5	15.3	43.3	3.9	4.2	0.2	0.2	0.9	99.6
Rougheye rf	1.3	1.0	4.4	5.9	4.8	1.4	28.3	32.3	40.4	5.8			125.6
Silvergray	4.0	10.0	7.2	18.7	13.3	11.9	17.7	20.1	15.8	1.5	0.8	0.6	121.6
Yel'mouth r	0.7	10.9	1.6	6.9	0.4	0.6	9.7	3.7	5.2	1.7		0.2	41.6
Yellowtail	41.7	71.3	36.6	18.9	34.2	25.1	129.0	183.4	71.2	24.3	140.1	117.9	893.7
Widow rf	3.6	4.3	2.5	0.9	0.5	2.1	91.3	94.0	12.5	53.3	297.6	300.1	862.7
Other rf	9.7	12.3	15.4	44.0	65.6	48.4	59.4	58.4	43.2	7.8			364.2
Hake							0.3	23.3			5.9	0.1	29.6
Octopus					0.1								0.1
Perch													
Skate		0.1	0.1	0.3	0.4	0.1			0.1				1.1
Squid							0.1						0.1
Sturgeon													
Misc. sp.				0.1					0.2		2.1	0.1	2.5
Dogfish	0.1	0.1	0.3	0.2	3.5	2.0		0.1					6.3
Reduction	0.1				0.2			0.2			0.1		0.6
Animal food													
Total	149.9	171.9	165.1	732.2	1,045.8	520.5	625.0	664.4	655.5	110.3	453.9	423.6	5,718.1
Discards	6.9	8.3	4.7	9.0	15.4	14.6	8.4	54.9	2.9				125.1

Table 28. 1995 British Columbia trawl landings (mt) of groundfish from statistical area 26.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English s.			0.2	2.9	3.5	0.2	1.0	0.9					8.7
Rock sole				8.1	7.3	5.5	2.1	1.3	0.5				24.8
Petrale s.	0.2	0.1		4.7	2.6	0.3	0.3	0.3	0.1				8.6
Dover sole		0.3		0.5	13.0	1.2	9.4	4.8	3.7	1.3			34.2
Rex sole		0.1		0.4	0.5	0.3	0.4	0.2	0.2				2.1
Butter sole													
Flathead s.													
Sand sole													
Turbot				0.4	23.8	1.4	24.5	0.5	1.0				51.6
Starry fldr													
Other flat.													
Pacific cod	0.6	1.2	1.0	10.5	5.9	4.2	5.3	1.9	0.4	0.1			31.1
Lingcod	0.3	1.8	1.1	44.8	28.8	1.9	2.2	2.9	0.9	0.1			84.8
Sablefish		0.2		0.4	4.2	0.1	2.8	0.6	1.4	0.7			10.4
Pollock							0.1						0.1
Ocean perch					1.4		0.1		3.7				5.2
Bocaccio	2.8	1.0	0.6	4.7	4.2	0.7	0.8	1.4	1.8	0.2	0.8	0.1	19.1
Canary rf	8.6	6.3	0.6	11.6	19.6	5.4	30.2	28.5	6.5	0.3	2.3	0.1	120.0
Redstripe r	0.1	0.7		1.1	0.2		4.7	0.5	6.9	0.6			14.8
Rougheye rf		0.1			1.5					0.1			1.7
Silvergray	2.7	4.4	3.1	15.3	8.9	2.0	6.6	13.5	9.2	1.9	0.1	0.1	67.8
Yel'mouth r					0.1				1.2				1.3
Yellowtail	12.1	14.7	8.3	21.8	18.0	2.0	35.9	23.3	34.1	1.7	12.7	6.6	191.2
Widow rf	0.3	2.3	0.8	1.5	0.4	0.2	24.7	8.2	5.3	0.3	6.1	8.4	58.5
Other rf	0.3	0.6	0.3	1.4	9.4	0.2	8.1	4.7	18.9	8.4			52.3
Hake								0.2					0.2
Octopus													
Perch													
Skate		0.1		0.8	0.4	0.1	0.2	0.1					1.7
Squid													
Sturgeon				0.4									0.4
Misc. sp.				0.1					0.1				0.2
Dogfish			0.1	0.1	2.1								2.3
Reduction				0.1	0.1								0.2
Animal food													
Total	28.0	33.9	16.1	131.6	155.9	25.7	159.4	93.8	95.9	15.7	22.0	15.3	793.3
Discards	1.2	1.8	0.1	6.8	14.5	10.5	15.2	0.5	12.9				63.5

Table 29. 1995 British Columbia trawl landings (mt) of groundfish from statistical area 27.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English s.	0.3	0.2	0.3	1.0	1.7	0.3	0.4	0.2	0.1	0.4			4.9
Rock sole			0.5	1.5	1.1	2.8	5.1	4.3	3.5	3.9			22.7
Petrale s.	0.8	2.4	2.0	3.1	2.2	0.4	0.6	0.2	0.1	0.2			12.0
Dover sole	1.7	2.5	0.2	24.8	65.6	5.5	10.7	2.6	0.1				113.7
Rex sole	0.5	0.2	0.1	0.5	0.5		1.9		0.2				3.9
Butter sole													
Flathead s.													
Sand sole													
Turbot		0.1	0.9	2.3	11.5	16.5	6.9	4.9	0.5	14.0			57.6
Starry fldr													
Other flat.				0.1									0.1
Pacific cod	0.8	1.8	1.4	5.7	4.5	0.6	2.6	1.3	0.8	1.3			20.8
Lingcod	0.3	2.0	2.3	16.4	12.1	6.2	13.0	2.2	4.2	1.6			60.3
Sablefish	0.2	0.3	0.2	1.0	4.5	0.6	4.7	0.8	0.3				12.6
Pollock	0.2				0.1		0.6						0.9
Ocean perch	15.6	15.7	5.3	3.4	21.3	1.9	29.5	0.9	6.2				99.8
Bocaccio	0.6	0.4	0.6	9.1	3.4	1.6	4.9	1.6	1.1	0.4			23.7
Canary rf	8.8	16.2	7.7	13.9	10.7	5.7	81.7	5.9	18.4	1.9			170.9
Redstripe r	1.2	5.4	5.7	109.1	66.6	1.1	77.4	13.8	2.7	1.2	1.7		285.9
Rougheye rf	0.6	1.2	0.3	0.7	5.5		5.6	1.9	0.4				16.2
Silvergray	4.8	11.0	21.3	43.7	17.2	3.5	35.6	9.2	10.5	2.6	0.1		159.5
Yel'mouth r	53.1	30.0	53.0	43.1	9.0	0.5	29.5	5.5	5.9	2.8			232.4
Yellowtail	4.3	5.3	1.7	9.2	18.0	0.7	16.8	1.1	3.8	0.4			61.3
Widow rf	0.5	0.8	0.5	4.9	5.3		12.1		3.4				27.5
Other rf	5.7	5.0	2.8	23.1	25.4	1.2	16.4	2.8	1.3				83.7
Hake							0.1						0.1
Octopus													
Perch													
Skate		0.1	0.1	0.1	0.5	1.0	1.2	0.2	0.2	0.2			3.6
Squid													
Sturgeon													
Misc. sp.						0.1							0.1
Dogfish						0.1							0.1
Reduction		0.1											0.1
Animal food													
Total	100.0	100.7	106.9	316.7	286.7	50.3	357.3	59.4	63.7	30.9	1.8		1,474.4
Discards	15.0	1.8	2.3	2.9	12.7	0.4	2.0						37.1

Table 30. 1995 British Columbia trawl landings (mt) of groundfish from statistical area 9.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English s.													
Rock sole													
Petrale s.													
Dover sole													
Rex sole													
Butter sole													
Flathead s.													
Sand sole													
Turbot													
Starry fldr													
Other flat.													
Pacific cod													
Lingcod													
Sablefish													
Pollock													
Ocean perch													
Bocaccio													
Canary rf													
Redstripe r													
Rougheye rf													
Silvergray													
Yel'mouth r													
Yellowtail					8.9								8.9
Widow rf													
Other rf													
Hake													
Octopus													
Perch													
Skate													
Squid													
Sturgeon													
Misc. sp.													
Dogfish													
Reduction													
Animal food													
Total					8.9								8.9
Discards													

Table 31. 1995 British Columbia trawl landings (mt) of groundfish from statistical area 11.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English s.	0.8	3.1	5.7	2.6	12.1	8.7	6.6	5.7	3.8	1.3			50.4
Rock sole	3.4	3.1	5.7	5.7	80.5	60.6	34.2	28.3	11.9	2.2			235.6
Petrale s.	3.8	21.1	39.1	81.7	12.6	6.7	7.2	4.0	5.9	1.1			183.2
Dover sole	20.4	18.4	7.5	14.0	7.1	14.4	21.7	15.0	23.9	9.0			151.4
Rex sole	1.9	2.0	0.6	3.6	4.1	1.1	2.3	1.1	1.4	0.1			18.2
Butter sole													
Flathead s.						0.4	0.3	0.1	0.1				0.9
Sand sole					0.7								0.7
Turbot	20.2	0.7	9.8	9.8	13.2	64.7	157.1	39.9	126.8	67.6	0.1		529.9
Starry fldr					0.1								0.1
Other flat.				0.1	0.4	0.2	0.2	0.1					1.0
Pacific cod	4.7	15.9	7.8	18.8	21.6	21.4	19.8	17.3	14.5	6.4			148.2
Lingcod	1.2	2.1	6.5	30.5	90.4	176.6	150.5	139.3	69.4	13.9	0.4	1.2	682.0
Sablefish	1.5	1.3	2.4	2.2	1.1	1.5	5.2	1.9	3.4	1.0			21.5
Pollock	608.3	0.2		0.2	1.5	0.7	7.6	0.9	5.1	1.7	8.7		634.9
Ocean perch	29.3	87.1	74.6	184.0	41.4	29.7	47.2	40.1	85.4	7.9			626.7
Bocaccio	8.7	7.5	3.8	11.2	18.9	19.3	21.2	29.0	21.2	3.8	1.4	0.7	146.7
Canary rf	3.8	3.5	6.3	3.9	9.4	3.9	20.7	3.4	10.4	3.0	0.4		68.7
Redstripe r	7.1	19.2	10.2	52.4	74.0	5.1	44.4	25.2	35.8	13.8	23.5	44.5	355.2
Rougheye rf	15.0	7.7	11.6	13.9	4.0		23.0	3.2	2.3	5.5			86.2
Silvergray	13.8	56.1	27.4	71.0	126.3	48.5	87.9	56.4	62.8	8.7	1.5	1.0	561.4
Yel'mouth r	58.0	153.0	42.9	83.3	103.7	23.2	47.7	34.1	95.0	7.0	9.6	0.7	658.2
Yellowtail	111.8	157.6	42.3	65.7	215.7	36.3	116.8	53.1	123.8	13.9	25.8	22.8	985.6
Widow rf	45.8	105.6	31.7	57.0	27.5	1.6	18.5	20.9	130.5	73.0	236.5	284.7	1,033.3
Other rf	20.7	36.5	22.9	36.4	24.4	15.8	26.9	26.5	14.2	15.4	8.6		248.3
Hake	1.3						1.2	0.1	1.1	0.2	3.1		7.0
Octopus					0.1	0.3	0.2	0.3	0.1				1.0
Perch													
Skate		1.1	1.4	2.7	5.5	1.8	1.1	1.9	1.1	0.3			16.9
Squid													
Sturgeon	0.1		0.4		0.1		0.1						0.7
Misc. sp.					0.5	2.4	1.7	0.9	0.4				5.9
Dogfish	11.4	0.3	0.1	1.7	0.1	0.8							14.4
Reduction	0.1	0.2	0.1	0.3	0.1	0.2	0.3						1.3
Animal food													
Total	993.1	703.3	360.8	752.7	897.1	565.9	871.6	548.7	850.3	256.8	319.6	355.6	7,475.5
Discards	17.8	7.3	5.7	4.2	13.0	28.7	21.4	37.9	56.5	7.0			199.5

Table 32. 1995 British Columbia trawl landings (mt) of groundfish from statistical area 8.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English s.	2.8	1.4	1.6	8.8	2.8	6.7	7.5	11.9	5.6	1.7		0.3	51.1
Rock sole	1.2	0.1	0.8	6.4	45.2	21.9	59.2	49.9	99.9	16.2			300.8
Petrale s.	8.9	36.0	19.1	52.5	16.3	2.9	4.9	4.7	6.9	1.6			153.8
Dover sole	14.3	2.3	15.3	51.0	124.3	60.9	101.2	58.4	58.4	13.7			499.8
Rex sole	2.0	0.5	1.2	1.8	3.7	3.4	5.6	1.2	2.1	0.4			21.9
Butter sole									0.1				0.1
Flathead s.	0.6				0.1	1.7	1.3	1.2	0.4	0.1			5.4
Sand sole	0.1			0.1			0.1	0.8					1.1
Turbot	38.3	106.4	13.1	47.1	199.0	176.9	80.5	80.0	91.2	0.9			833.4
Starry fldr								1.2					1.2
Other flat.			0.2	0.6	0.1	0.4	0.9	0.1	0.6	0.5			3.4
Pacific cod	17.2	13.9	19.4	28.3	13.2	17.7	37.3	24.2	18.3	8.6			198.1
Lingcod	21.7	0.9	1.3	21.5	39.8	144.0	140.1	85.2	92.4	10.5	0.1	0.1	557.6
Sablefish	1.4	1.9	1.8	4.7	6.5	7.9	20.1	7.0	5.9	1.1			58.3
Pollock	0.6	1.7		28.5	1.6	0.7	4.5	5.9	0.8	0.2	0.1	16.8	61.4
Ocean perch	296.8	461.8	241.5	512.3	377.7	363.3	343.2	214.2	239.3	143.3			3,193.4
Bocaccio	11.6	6.4	2.3	12.9	10.0	7.8	21.7	9.1	6.6	3.4	0.2	0.9	92.9
Canary rf	4.9	6.2	0.5	8.1	7.7	3.5	37.7	11.8	19.6	2.0	0.3	0.5	102.8
Redstripe r	10.3	10.2	1.0	53.9	42.0	7.5	68.2	62.4	61.9	9.2	1.4		328.0
Rougheye rf	20.1	5.1	5.5	12.1	6.1	6.7	59.3	27.0	13.1	4.5			159.5
Silvergray	34.5	23.9	28.7	48.2	49.8	37.7	41.2	51.2	49.1	13.2	0.2	1.1	378.8
Yel'mouth r	9.1	23.3	13.1	15.1	46.5	39.3	61.6	32.4	33.1	16.0	0.1		289.6
Yellowtail	45.8	61.2	34.0	147.6	209.6	40.1	84.2	150.4	91.1	13.7	38.3	16.1	932.1
Widow rf	0.6	0.3	0.1	14.0	6.7	5.0	67.5	83.4	60.3	3.4	31.0	53.3	325.6
Other rf	67.4	60.9	16.0	61.9	78.8	63.5	122.7	71.8	46.0	20.7			609.7
Hake						0.7	1.0	21.3					23.0
Octopus				0.1	0.1	0.1	0.1		0.2				0.6
Perch													
Skate	1.2	0.3	2.5	7.7	14.5	19.3	22.5	4.6	2.8	1.8			77.2
Squid													
Sturgeon													
Misc. sp.						0.3	1.8	1.0	0.1				3.2
Dogfish				0.3	0.7	1.1	0.2	0.1	0.3	0.1			2.8
Reduction				0.1	0.7	0.2	0.4	0.1					1.5
Animal food													
Total	611.4	824.7	419.0	1,145.6	1,303.5	1,041.2	1,396.5	1,072.5	1,006.1	286.8	71.7	89.1	9,268.1
Discards	14.9	13.7	10.6	27.1	149.2	53.0	81.7	34.9	158.6			9.1	552.8

Table 33. 1995 British Columbia trawl landings (mt) of groundfish from statistical area 2BE.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English s.	0.7	0.2	0.8	0.8	4.2	7.9	2.9	1.3	7.4	0.4			26.6
Rock sole	5.2	10.4	25.5	33.4	84.2	101.3	7.8	2.6	8.4	1.6			280.4
Petrale s.	0.4	0.3	0.2	0.5	2.8	6.5	3.0	0.5	3.1	0.2			17.5
Dover sole			0.2	4.9	16.8	18.9	9.6	0.6	5.4	1.9			58.3
Rex sole	0.2	0.2	1.2	1.9	2.2	5.7	2.6	0.1	1.6				15.7
Butter sole			1.0	0.9	0.4	0.2		0.8	0.1				3.4
Flathead s.				0.2	0.6	0.6	0.3		0.5				2.2
Sand sole		1.0	4.1	3.2	6.7	2.5	0.4		0.1				18.0
Turbot	0.5		0.4	3.8	12.0	1.1	4.7			3.2			25.7
Starry fldr			1.1		0.1	0.1	0.2	0.2					1.7
Other flat.			0.4		2.7	1.1			0.1				4.3
Pacific cod	1.6	1.6	36.6	9.4	4.4	10.7	5.2	0.4	4.2	0.3			74.4
Lingcod	16.1	62.7	35.6	17.0	4.9	37.2	5.5	29.7	21.2	0.1			230.0
Sablefish	0.1		0.3	7.1	12.6	18.3	7.6	1.3	2.3	0.4			50.0
Pollock	1.6	1.5	1.1	61.8	160.0	1.3	0.7	1.0	0.7	0.3			230.0
Ocean perch	2.0	5.5	2.8	25.0	179.9	196.2	88.1	24.4	104.5	4.6			633.0
Bocaccio	0.8	0.4	0.4	1.6	3.1	14.6	5.5	2.9	4.9	0.6			34.8
Canary rf	1.0	1.7	4.5	3.9	1.8	5.8	5.5	5.5	6.1	3.9			39.7
Redstripe r	0.1	0.4	2.7	7.0	4.8	0.4	7.1	1.2	5.1	1.2			30.0
Rougheye rf	0.2	0.1	1.5	4.7	3.4	1.3	1.5	0.3	0.3	0.9			14.2
Silvergray	5.3	12.4	31.3	58.2	70.1	56.1	71.2	26.9	61.9	4.6			398.0
Yel'mouth r	0.1		0.3	1.4	2.6	3.6	1.9	0.2	2.4	0.5			13.0
Yellowtail	5.0	0.3	4.5	14.1	10.7	9.1	2.1	1.7	5.8	0.5			53.8
Widow rf	0.1	0.1	0.2	0.6	0.7	0.2	0.5	0.5	5.7				8.6
Other rf	2.0	1.7	4.8	16.6	45.0	58.1	32.1	2.3	15.1	1.1			178.6
Hake													
Octopus	0.1		0.2	0.1	0.5	0.2	0.1		0.1				1.3
Perch													
Skate	0.6	0.1	1.9	0.4	2.9	6.6	2.4	0.3	1.2	0.1			16.5
Squid													
Sturgeon													
Misc. sp.													0.3
Dogfish	0.1			0.1		0.1							0.4
Reduction	0.1		0.3										
Animal food													
Total	43.9	100.6	163.7	278.6	640.1	565.7	268.5	104.7	268.2	26.4			2,460.4
Discards	0.4		4.1		11.8	11.6	26.3	2.3	22.5				79.0

Table 34. 1995 British Columbia trawl landings (mt) of groundfish from statistical area 5L.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English s.	0.5	0.4	1.3	2.4	0.8	7.0	0.1	2.0	44.8	14.9			74.2
Rock sole	4.5	0.1	5.0	5.0	1.1	20.9	1.5	3.9	5.0	1.2			48.2
Petrale s.			0.1		0.5	8.4	1.2	0.3	3.7	1.1			15.3
Dover sole				0.4	31.6	37.5	15.1	3.6	4.1	3.7			96.0
Rex sole	0.3	0.1	0.5		4.0	3.4	0.7	0.4	4.8	0.4			14.6
Butter sole						0.4		0.6	0.1				1.1
Flathead s.					0.4	0.5	0.3		0.8				2.0
Sand sole	0.1		0.8		0.1	0.5		0.2	0.1				1.8
Turbot			0.1			0.4			0.1	0.3			0.9
Starry fldr													
Other flat.	0.1		0.1			0.1							0.3
Pacific cod	0.7	3.7	102.4	25.7	1.3	13.1	4.6	4.4	33.3	3.1			192.3
Lingcod	0.5	0.7	3.4	3.0	0.8	47.3	7.6	0.8	70.9	5.5			140.5
Sablefish					1.2	3.3	1.7	0.1	0.2	0.5			7.0
Pollock				0.4	0.2	1.0	0.3	0.1	0.6				2.6
Ocean perch					1.7	4.8	5.5	1.5	0.1	1.1			14.7
Bocaccio			0.1		0.9	8.4	4.1	0.3	10.9	2.2			26.9
Canary rf			0.1		1.3	3.2	2.7	1.2	0.6				9.1
Redstripe r						0.5	0.8		0.3				1.6
Rougheye rf					0.1								0.1
Silvergray			0.6	0.2	5.7	9.8	5.8	2.5	7.4				32.0
Yel'mouth r					0.3	0.1	0.4						0.8
Yellowtail			0.1		6.2	46.0	30.2	1.3	1.5			1.3	86.6
Widow rf						0.2	0.1						0.3
Other rf	0.1		0.1	0.7	10.8	24.4	10.0	4.4	2.3	2.1			54.9
Hake													
Octopus	0.1					0.1			0.1				0.3
Perch													
Skate		0.2	0.9	0.8	0.2	5.5	2.9	0.1	6.4				17.0
Squid													
Sturgeon									0.1				0.1
Misc. sp.						0.4	0.1		0.7				1.2
Dogfish													0.1
Reduction	0.1												
Animal food													
Total	7.0	5.2	115.6	38.6	69.2	247.2	95.7	27.7	198.9	36.1		1.3	842.5
Discards			3.9	0.1	0.2	3.4	5.4	0.1	40.4	5.9		0.5	59.9

Table 35. 1995 British Columbia trawl landings (mt) of groundfish from statistical area 6.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English s.	0.3	0.1	0.2			0.3							0.9
Rock sole			0.1		0.2								0.3
Petrale s.					0.4	0.3	0.1		0.2				1.0
Dover sole				1.4	3.6	10.0	19.2	0.5					34.7
Rex sole	0.4			0.4	1.3	0.8	1.0	0.3					4.2
Butter sole													
Flathead s.					0.1		0.1						0.2
Sand sole													
Turbot				0.1	0.1	0.4							0.6
Starry fldr													
Other flat.													
Pacific cod	0.2		8.2		0.1	0.3	0.2						9.0
Lingcod	5.1	12.9	0.4	0.1	0.1				0.3				18.9
Sablefish						0.9	1.4	0.1	0.1				2.5
Pollock						0.6							0.6
Ocean perch	0.3			14.9	0.9	8.0	6.5	0.1					30.7
Bocaccio	0.2	0.2		0.1	0.5	0.5	0.4		0.4				2.3
Canary rf		0.4		0.1	0.1	1.4	0.1		2.9	0.1			5.1
Redstripe r					8.5		2.5	0.1					11.1
Rougheye rf													
Silvergray	0.2		0.1	3.6	19.7	12.2	2.4		9.2	1.8			49.2
Yel'mouth r		0.7			1.3								2.0
Yellowtail	0.1		0.1	0.1	2.9	0.2	2.7		0.8	0.1			7.0
Widow rf							0.1						0.1
Other rf	0.9			1.6	5.6	4.9	4.9	0.4	1.4				19.7
Hake													
Octopus													
Perch													
Skate			0.4										0.4
Squid													
Sturgeon													
Misc. sp.													
Dogfish													
Reduction													
Animal food													
Total	7.7	14.3	9.5	22.4	45.4	40.8	41.6	1.5	15.3	2.0			200.5
Discards	9.1	18.1	4.5		1.3				0.1				33.1

Table 36. 1995 British Columbia trawl landings (mt) of groundfish from statistical area 2AE.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English s.	2.9	2.2	3.8	2.9	3.4	3.4	2.7		3.1				24.4
Rock sole	17.7	16.5	22.1	12.2	31.0	7.0	0.4		2.0	4.3			113.2
Petrale s.													
Dover sole						0.1	2.2	0.7	3.7				6.7
Rex sole			0.3				1.0		0.4				1.7
Butter sole	0.1	9.2	0.1	1.8	0.2	2.8	1.3						15.5
Flathead s.													
Sand sole	1.1	12.2	4.7	1.3	6.1	2.9	0.6		0.1	0.9			29.9
Turbot													
Starry fldr		2.9			0.2								3.1
Other flat.			0.2		0.1	0.1			0.1				0.5
Pacific cod	0.2		1.1	7.3	4.0	0.4	5.7		0.7				19.4
Lingcod	0.1		0.4	4.2	1.2		0.1		5.4				11.4
Sablefish							0.1		0.1				0.2
Pollock		0.1	0.1	0.3	2.8		0.3				41.4	3.0	48.0
Ocean perch	0.1					0.1	1.1	0.4					1.7
Bocaccio							0.2					0.1	0.3
Canary rf													
Redstripe r													
Rougheye rf													
Silvergray	0.2								0.2		0.4		0.8
Yel'mouth r													
Yellowtail			2.8	0.2							0.3	0.9	4.2
Widow rf													
Other rf	0.8	0.1	0.2		0.5	0.3		1.0	0.3	0.9			4.1
Hake													
Octopus			0.1	0.1	0.1	0.1							0.4
Perch													
Skate	1.2	0.5	0.9	2.0	0.3	0.9	0.1		0.2				6.1
Squid													
Sturgeon													
Misc. sp.	0.2												0.2
Dogfish													
Reduction	0.1	0.1											0.2
Animal food													
Total	24.7	43.8	36.8	32.3	49.9	18.1	15.8	2.1	16.3	6.1	42.1	4.0	292.0
Discards		4.5	5.7	1.4	13.6	23.5			3.4			0.1	52.2

Table 37. 1995 British Columbia trawl landings (mt) of groundfish from statistical area 1E.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English s.	4.1	3.7	3.8	6.0	4.5	2.7	1.0	1.5	2.5		0.3		30.1
Rock sole	9.7	0.8	1.3	15.5	2.5		0.1	0.2					30.1
Petrale s.	0.1	0.1		0.3	0.1			0.2	0.1				0.9
Dover sole	0.1			2.0	9.3	41.9	18.1	4.4	4.7				80.5
Rex sole	0.3	0.2	0.4	0.8	0.1	0.4	3.2	2.5	0.7	0.3			8.9
Butter sole	0.1		0.3										0.4
Flathead s.					0.1	0.8	0.6		0.1				1.6
Sand sole	2.3			3.7	0.2								6.2
Turboi	0.1	0.3			2.4	1.7	0.1			4.6	0.6	0.1	9.9
Starry fldr	24.7			0.4									25.1
Other flat.	0.2			0.3									0.5
Pacific cod	7.1	3.5	4.7	35.4	4.3	2.2	0.4	0.5	1.8				59.9
Lingcod	1.6	2.7	0.6	1.9	1.3	1.4	0.3		1.8				11.6
Sablefish				0.1	1.1	2.4	1.2	1.1	1.3	0.4			7.6
Pollock	0.4	0.2	0.1	1.1	22.4	2.5	1.5	1.3	4.2	85.2	346.7	166.9	632.5
Ocean perch				0.1	0.3	0.7	0.6	1.0	3.7	0.1			6.5
Bocaccio	2.2	1.8	2.5	2.4	4.4	0.2	0.2	0.3	0.3	0.9	1.3	0.5	17.0
Canary rf	0.8		0.1		1.0	0.1		0.1			0.1		2.2
Redstripe r			0.2						0.8				1.0
Rougheye rf						2.7	3.0						5.7
Silvergray	0.7	0.6	4.2	0.6	0.7	0.6	0.2	0.6	1.3	0.9	1.0	1.2	12.6
Yel'mouth r													
Yellowtail	17.4	9.2	2.2	10.7	6.2	4.0	0.5	1.0	1.3	24.9	22.1	13.3	112.8
Widow rf										0.4			0.4
Other rf	1.2	0.3	0.2	1.3	9.7	16.7	34.1	30.5	26.5	3.0			125.5
Hake													
Octopus	0.1			0.1									0.2
Perch													
Skate	1.0		1.1	2.4	0.4	0.7	0.3	0.2	0.4				6.5
Squid									0.4				0.4
Sturgeon													
Misc. sp.													
Dogfish		0.1			0.4						0.1		0.6
Reduction	0.1			0.1							0.2		0.4
Animal food													
Total	74.3	23.5	21.7	85.2	71.4	83.7	65.4	45.4	51.9	120.7	372.4	182.0	1,197.6
Discards	2.7	0.2	7.1	7.5	16.6	0.3	1.6	5.5	1.6		0.5		43.6

Table 38. 1995 British Columbia trawl landings (mt) of groundfish from statistical area 4.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English s.	66.7	111.4	121.9	117.8	129.0	178.8	171.6	53.5	37.5	1.6		0.5	990.3
Rock sole	1.3	1.7	3.1	5.0	12.5	142.3	219.6	64.6	53.3				503.4
Petrale s.	0.2		0.1	0.2	0.6	1.6	0.9	1.1	0.4				5.1
Dover sole	0.1		0.2	0.8	33.5	217.3	133.1	68.0	76.8	5.7			535.5
Rex sole	1.6	1.1	2.4	6.1	10.6	31.7	19.8	14.1	15.1				102.5
Butter sole	0.4	0.2	0.3	10.3	21.0	19.5	10.9	3.9	9.7				76.2
Flathead s.			1.2	0.6	0.9	3.4	1.3	0.2	1.3	0.2			9.1
Sand sole	1.3	0.7	0.5	1.4	4.5	16.5	22.4	15.2	13.9				76.4
Turbot	0.7	0.2	1.2	9.8	110.4	109.0	81.8	19.9	0.3	19.2			352.5
Starry fldr	0.3	0.6	0.2	1.6	1.2	4.2	10.9	5.4	4.2				28.6
Other flat.	0.2	0.2	0.2	0.1	0.5	0.4	1.2	0.1	0.1	0.1			3.1
Pacific cod	27.5	28.0	34.3	100.1	199.8	103.1	125.7	32.7	21.6	1.7			674.5
Lingcod	9.9	4.0	5.4	24.6	14.8	11.0	16.4	7.6	2.2	0.2			96.1
Sablefish					1.1	2.3	3.5	1.3	1.3				9.5
Pollock	3.7	2.4	0.6	12.4	299.6	48.2	72.1	23.0	21.3	6.6	206.6	46.6	743.1
Ocean perch					0.2	1.4	2.1	0.5					4.2
Bocaccio	1.2	0.6	0.1	0.5	0.3	0.4	0.8	0.1	0.5		1.4	0.6	6.5
Canary rf	0.2	0.1	2.9		0.2	0.2	0.1				0.1		3.8
Redstripe r													
Rougheye rf													
Silvergray	0.4		0.1		0.3	0.3	0.6	0.1	2.0	0.2	0.5		4.5
Yel'mouth r						0.6							0.6
Yellowtail	31.3	12.3	2.0	1.1	6.5	6.1	1.8	0.2	0.8	0.2	11.7	3.9	77.9
Widow rf						0.1					0.7		0.8
Other rf	0.5	1.2	0.7	0.2	7.5	15.6	15.8	4.3	6.4	1.0			53.2
Hake													
Octopus	0.2	0.3	0.4	0.7	0.6	0.4	0.5	0.3	0.8				4.2
Perch													
Skate	3.7	18.2	32.2	40.3	31.7	24.0	22.9	10.7	11.2	0.5			195.4
Squid													
Sturgeon													
Misc. sp.			0.2				0.1						0.3
Dogfish	0.1	0.3			0.9	0.2	0.1		0.1		0.1		1.8
Reduction	0.2	0.2	0.2	0.1	0.6	0.2	0.7		0.1		0.1		2.4
Animal food													
Total	151.7	183.7	210.4	333.7	886.8	938.8	936.7	326.8	280.9	37.2	221.2	51.6	4,561.5
Discards	16.3	23.4	33.1	28.9	137.3	51.7	11.3	10.5	13.3			5.4	331.2

Table 39. 1995 British Columbia trawl landings (mt) of groundfish from statistical area 5U.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English s.	10.1	7.2	9.2	11.3	3.1	2.4	1.3	2.8	8.1	1.2			56.7
Rock sole	18.7	13.7	19.3	16.3	41.2	46.3	58.1	21.3	89.2	8.9			333.0
Petrale s.	0.2		0.3	0.2	0.3	0.3		0.2	0.3				1.8
Dover sole	0.3	0.1		2.4	1.6	12.9	10.4	6.4	13.6				47.7
Rex sole	2.9	13.4	2.6	5.4	3.0	1.4	3.0	1.6	3.3	3.3			39.9
Butter sole	0.3		0.1	0.2	0.3	0.6	0.4		0.6				2.5
Flathead s.			0.5	1.2	0.1	0.6	0.3		0.6				3.3
Sand sole	0.2	0.9	1.6	0.5	1.4	3.1	0.6	0.2	0.2	0.3			9.0
Turbot		2.8	0.1	0.4	5.8		0.1			6.4			15.6
Starry fldr		0.1			0.5	0.1		0.1	0.3				1.1
Other flat.	0.1	0.3	0.6	0.3	0.3	0.3			0.3				2.2
Pacific cod	6.2	3.9	40.5	213.6	11.8	10.7	1.5	0.9	6.3	0.1			295.5
Lingcod	1.1	21.6	1.4	9.3	2.5	5.7	1.3	0.7	2.1	0.7			46.4
Sablefish					0.1				1.2				1.3
Pollock	1.1	0.3	0.1	4.1	7.2	2.9	0.1	0.2	3.1				19.1
Ocean perch													
Bocaccio		0.3	0.5	1.8	0.2	1.0	0.3		0.1				4.2
Canary rf		0.2		0.1									0.3
Redstripe r													
Rougheye rf													
Silvergray	0.2	0.8	1.2	0.7	0.3	0.1	0.1		0.1				3.5
Yel'mouth r													
Yellowtail		19.7	6.5	5.3	7.3	0.9	1.3		0.3				41.3
Widow rf									0.1				0.1
Other rf	0.3	1.2	0.5	1.2	4.1	2.5	1.9	0.6	4.4	0.8			17.5
Hake													
Octopus	0.1	0.3	0.2	0.4	0.2	0.3	0.5	0.1	2.1	0.2			4.4
Perch													
Skate	1.0	0.7	1.2	8.2	2.9	3.3	5.1	0.4	5.5	0.2			28.5
Squid													
Sturgeon													
Misc. sp.													
Dogfish	0.1	0.2			0.2	0.1		0.1					0.7
Reduction	0.1	0.3	0.1			0.1	0.1						0.7
Animal food													
Total	43.0	88.0	86.5	282.9	94.4	95.6	86.4	35.6	141.8	22.1			976.3
Discards	2.0	5.7	8.1	22.2	1.6	11.1	2.7	20.4	16.4	11.3			103.5

Table 40. 1995 British Columbia trawl landings (mt) of groundfish from statistical area 1W.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English s.													0.3
Rock sole			0.3										35.6
Petrale s.	0.5	3.6	11.6	14.1	5.7	0.1							463.1
Dover sole	26.6	52.8	41.3	86.4	223.4	27.9	4.1		0.6				64.6
Rex sole	4.4	5.9	4.4	14.6	28.9	4.5	1.9						
Butter sole													1.3
Flathead s.		0.4			0.4	0.1	0.4						
Sand sole													33.8
Turbot	3.7	6.8	0.5	19.9	0.2	2.7							
Starry fldr													
Other flat.													
													2.3
Pacific cod		0.4	1.4		0.5								3.4
Lingcod	0.5	1.2	0.7	0.2	0.8								22.4
Sablefish	1.0	2.2	1.6	2.8	8.1	4.3	2.3		0.1				1.8
Pollock			0.1		1.6	0.1							
													48.3
Ocean perch	1.6	30.3	7.8	0.5	3.9	1.5	2.7						3.3
Bocaccio	0.8	0.7	0.1	0.2	0.3	1.2							1.3
Canary rf	0.1	0.4	0.5	0.1	0.2								5.7
Redstripe r		0.8	1.2	0.1	3.0	0.6							40.8
Rougheye rf	9.6	14.8	4.8	2.9	5.2	0.1	3.3		0.1				111.0
Silvergray	13.7	52.1	23.2	10.4	6.8	4.8							0.3
Yel'mouth r					0.3							3.4	9.7
Yellowtail		6.1				0.2						2.9	3.1
Widow rf		0.2											273.7
Other rf	19.3	41.0	50.3	41.0	67.2	40.9	12.6		1.4				
Hake													
Octopus													
Perch													0.1
Skate			0.1						0.1				0.1
Squid													
Sturgeon													
Misc. sp.													
Dogfish													
Reduction													
Animal food													
Total	81.8	219.7	149.9	193.2	356.5	89.0	27.3		2.3			6.3	1,126.0
Discards	25.0	59.2	28.7		18.5		2.2						133.6

Table 41. 1995 British Columbia trawl landings (mt) of groundfish from statistical area 2AW.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English s.													0.2
Rock sole	0.1		0.1										15.9
Petrale s.	1.5	6.1	1.8	4.5	1.8	0.1	0.1						277.3
Dover sole	88.7	33.3	65.9	64.2	23.4	1.6	0.2						7.7
Rex sole	1.3	2.0	0.5	2.1	1.7				0.1				
Butter sole													0.3
Flathead s.		0.1		0.1	0.1								
Sand sole													12.5
Turbot	4.9	1.0	2.1	4.5									
Starry fldr													0.1
Other flat.					0.1								
							0.1						1.2
Pacific cod		0.4			0.7								3.8
Lingcod	0.9	1.7	0.3	0.1	0.4	0.1	0.2		0.1				35.3
Sablefish	5.0	5.1	4.2	7.7	8.8	4.3	0.2						2.5
Pollock	0.9	0.2	0.1	0.9	0.4								
									3.3				784.0
Ocean perch	227.3	248.8	75.9	107.1	97.0	16.9	7.7		0.5				4.2
Bocaccio	0.2	1.3	0.4	0.8	1.0								2.1
Canary rf				2.0	0.1				4.1				101.2
Redstripe r	0.5	2.9	0.6	34.6	47.3	5.1	6.1						570.6
Rougheye rf	146.7	145.0	85.3	57.7	103.4	25.7	6.8						105.1
Silvergray	4.6	17.4	6.8	26.0	33.0	3.9	10.1		3.3				72.0
Yel'mouth r	5.2	18.3	0.8	32.7	10.5	0.9	3.2		0.4				1.4
Yellowtail	0.1	0.8		0.1	0.1	0.3							4.2
Widow rf	0.2	0.5		2.7	0.5				0.3				165.3
Other rf	30.3	37.4	20.2	30.0	29.4	16.8	0.7		0.5				
Hake													
Octopus													
Perch													0.2
Skate					0.2								
Squid													
Sturgeon													
Misc. sp.													
Dogfish													0.2
Reduction		0.1			0.1								
Animal food													
Total	518.4	522.4	265.0	377.8	360.0	75.7	35.4		12.6				2,167.3
Discards	34.8	29.3	51.5	2.7	3.9		2.3						124.5

Table 42. 1995 British Columbia trawl landings (mt) of groundfish from statistical area 2BW.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English s.													
Rock sole													
Petrale s.		0.2											0.2
Dover sole				0.4	0.1								0.5
Rex sole													
Butter sole													
Flathead s.													
Sand sole													
Turbot					0.2								0.2
Starry fldr													
Other flat.													
Pacific cod							0.2						0.2
Lingcod		0.1		0.1			0.8						1.0
Sablefish													
Pollock													
Ocean perch		15.5		0.3	5.2								21.0
Bocaccio		0.1											0.1
Canary rf													
Redstripe r		0.1											0.1
Rougheye rf		0.3			0.1								0.4
Silvergray		3.4		1.5									4.9
Yel'mouth r													
Yellowtail													
Widow rf													
Other rf		0.7		0.2	0.1								1.0
Hake													
Octopus													
Perch													
Skate													
Squid													
Sturgeon													
Misc. sp.													
Dogfish													
Reduction													
Animal food													
Total		20.4		2.5	5.7		1.0						29.6
Discards													

Table 43. 1995 British Columbia trawl landings (mt) of groundfish -- Coastwide total.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English s.	95.9	144.0	164.1	171.1	186.6	236.3	222.2	102.9	140.9	22.3	0.3	0.9	1,487.5
Rock sole	68.8	57.2	107.5	122.4	320.8	429.7	404.0	196.3	294.0	38.3			2,039.0
Petrale s.	44.5	88.1	98.7	172.0	72.1	47.2	51.7	41.4	51.7	4.2			671.6
Dover sole	242.8	264.7	472.4	922.2	842.4	527.1	433.3	216.2	251.3	37.9			4,210.3
Rex sole	17.6	27.1	18.4	43.3	65.8	58.8	48.3	26.8	35.5	4.8			346.4
Butter sole	0.9	9.4	1.8	13.2	21.9	23.5	12.6	5.3	10.6				99.2
Flathead s.	1.0	0.7	2.0	2.5	3.8	8.8	5.5	1.6	4.2	0.6			30.7
Sand sole	5.1	14.9	13.6	11.4	19.9	25.6	24.1	16.4	14.4	1.2			146.6
Turbot	80.1	168.6	88.1	447.0	906.0	673.8	480.9	207.4	525.1	119.9	0.7	0.1	3,697.7
Starry fldr	30.8	8.8	5.4	4.1	3.4	4.7	11.3	7.2	5.0				80.7
Other flat.	1.5	0.6	4.3	2.9	6.9	3.2	2.6	0.7	1.4	0.6			24.7
Pacific cod	83.3	407.2	356.2	490.7	326.8	197.2	228.8	102.9	134.7	23.2	0.2		2,351.2
Lingcod	67.4	129.0	73.8	403.9	397.0	495.3	585.7	483.7	438.5	33.7	0.8	1.7	3,110.5
Sablefish	14.7	22.6	21.2	71.0	91.9	70.5	70.7	28.5	31.5	4.9			427.5
Pollock	1,576.5	224.3	702.5	109.8	497.5	58.0	88.2	32.8	36.2	94.8	603.5	233.8	4,257.9
Ocean perch	608.9	913.0	464.7	1,065.8	826.2	682.2	638.3	396.0	518.2	165.7	0.2		6,279.2
Bocaccio	33.2	26.5	18.0	73.5	71.3	61.3	80.6	56.6	60.0	14.3	8.1	4.3	507.7
Canary rf	44.7	60.2	40.0	107.8	98.8	62.9	239.1	88.4	90.6	15.6	7.3	2.4	857.8
Redstripe r	29.8	53.5	32.4	289.3	262.4	37.3	284.6	117.0	136.4	28.8	27.4	45.4	1,344.3
Rougheye rf	204.1	180.6	141.9	106.4	143.1	39.5	148.2	78.6	87.9	16.9			1,147.2
Silvergray	88.4	204.3	163.6	315.9	356.7	194.2	290.0	189.2	241.2	35.7	4.7	4.0	2,087.9
Yel'mouth r	127.4	237.3	117.6	195.6	182.6	70.0	158.0	91.6	157.4	28.1	10.3	0.9	1,376.8
Yellowtail	315.6	414.9	165.7	318.3	563.6	238.9	510.5	471.7	397.4	173.5	263.0	261.1	4,094.2
Widow rf	53.1	117.8	37.6	83.3	41.8	9.9	220.3	207.4	221.4	180.2	576.5	663.8	2,413.1
Other rf	170.0	225.9	185.6	351.1	463.0	334.4	390.8	233.3	224.2	62.1	8.7		2,649.1
Hake	823.6	996.8	4,799.5	3,895.5	1,723.9	8,512.1	9,842.9	8,907.7	11,012.6	6,771.8	561.1	0.2	57,847.7
Octopus	0.6	0.8	1.1	1.6	1.7	1.7	1.9	0.9	3.9	0.2			14.4
Perch													
Skate	9.6	24.7	46.9	66.6	61.5	64.0	59.3	19.3	29.9	3.5	0.1		385.4
Squid		0.2					0.2	0.1	0.5				1.0
Sturgeon	0.1		1.6	2.2	0.1		0.1						4.1
Misc. sp.	1.6	0.7	0.7	0.9	0.8	4.2	5.1	9.9	45.3	84.9	3.7	0.1	157.9
Dogfish	50.0	38.2	32.9	15.5	21.6	59.7	24.0	16.6	49.5	21.2	0.8		330.0
Reduction	1.3	1.6	1.7	0.9	1.9	0.7	1.8	0.4	3.9	1.6	0.4		16.2
Animal food													
Total	4,892.9	5,064.2	8,381.5	9,877.7	8,583.8	13,232.7	15,565.6	12,354.8	15,255.3	7,990.5	2,077.8	1,218.7	104,495.5
Discards	162.8	221.4	210.4	214.1	441.4	229.4	247.7	236.9	395.1	57.7	0.5	15.1	2,432.5

OTHER GROUNDFISH FISHERIES

Groundfish landings in this category are those caught by longline, trap, handline, troll, incidental to shrimp trawl and other miscellaneous gears. In 1995, these landings totalled 10,633 t, 13% above the 1994 total. Sablefish (3,805 t), rockfish (3,086 t), dogfish (2,509 t) and lingcod (1,100 t) accounted for 99% of the catch by non-trawl gear types. Catches by main species, gear type and major area are represented in Table 44.

No effort data are available for handline, troll, longline, incidental to shrimp trawl or miscellaneous gears. The catches for these gears were obtained from British Columbia Commercial Catch Statistics 1995, by Species, Gear, Month, and Area, Fisheries and Oceans, Canada, Pacific Region.

Interviews were conducted with skippers of sablefish trap vessels to obtain catch and effort data. Total trap landings of sablefish in 1995 were 3,454 t. This includes 3,322 t by vessels having individual quotas, as well as 132 t that were caught by vessels obtaining special scientific permits to fish on several offshore seamounts. The fish caught on the seamounts is not part of the coastwide quota for sablefish and the catch has been separated out in the tables and figure. The main areas of production for the quota trap fishery were the west coast of the Queen Charlotte Islands (area 5E), the northwest coast of Vancouver Island (area 3D) and north Queen Charlotte Sound (area 5B), accounting for 44%, 24% and 15%, respectively. Trap landings of groundfish in 1995 by major area, month and species, are presented in Tables 45-53. Seventy-one percent (by weight) of the trap landings were covered by interviews. Table 54 shows the monitored landings, effort and CPUE by major area. A separation of the 1995 trap landings by minor area is given in Table 55. Figure 5 illustrates total trap catches (t) and monitored effort (traps) by major area.

Table 44. British Columbia landings (t, round weight) of groundfish caught by gear other than trawl in 1995 by major area and species.

Gear and species	Major area 4B	3C	3D	5A	5B	5C	5D	5E	Total
Handline and troll									
Dogfish	93.7	5.9	15.8	0.1	0.1	2.6	15.8	-	134.0
Lingcod	7.4	146.7	253.8	14.8	48.8	46.4	75.5	11.5	604.9
Pacific cod	0.1	-	tr.	-	-	tr.	0.1	tr.	0.2
Pacific hake	-	-	-	-	-	-	-	tr.	tr.
Pacific ocean perch	-	-	-	-	-	tr.	-	-	tr.
Other rockfish	164.8	15.2	38.5	6.9	7.8	30.9	52.9	23.8	340.8
Sablefish	-	-	4.8	-	-	-	-	-	4.8
Sole	0.2	tr.	-	tr.	-	tr.	0.1	tr.	0.3
Misc. species	20.5	1.4	0.2	0.4	0.1	1.2	0.5	tr.	24.3
Longline									
Dogfish	1,235.5	419.4	510.1	58.1	21.6	87.0	5.4	2.4	2,339.5
Lingcod	5.9	51.1	119.0	19.6	83.1	79.3	82.3	52.1	492.4
Pacific cod	0.6	tr.	0.3	0.1	0.6	0.2	1.2	0.8	3.8
Pollock	-	-	tr.	-	tr.	-	-	tr.	tr.
Pacific ocean perch	tr.	-	0.6	-	tr.	0.3	0.1	1.0	2.0
Other rockfish	45.0	54.6	470.8	133.2	316.4	427.6	281.9	1,001.8	2,731.3
Sablefish	-	132.0	202.6	-	37.0	44.1	5.3	56.5	477.5
Sole	0.1	-	tr.	0.1	0.4	0.4	0.1	0.8	1.9
Misc. species	27.5	3.5	20.4	5.3	10.7	9.7	6.1	7.8	91.0
Trap									
Sablefish[a]	12.2	210.8	793.1	330.9	502.1	-	1.1	1,472.0	3,322.2
Dogfish	-	-	-	-	-	-	34.4	-	34.4
Lingcod	-	-	-	-	tr.	0.6	0.2	tr.	0.8
Pacific cod	-	-	-	-	-	tr.	-	-	tr.
Other rockfish	-	0.7	1.5	0.4	-	8.1	0.7	2.6	14.0
Misc. gears[b]									
Dogfish	-	0.9	-	-	-	-	-	-	0.9
Lingcod	tr.	1.7	-	-	tr.	-	0.2	-	1.9
Other rockfish	0.1	-	-	-	tr.	-	-	-	0.1
Sole	tr.	-	-	-	-	-	-	-	tr.
Misc. species	10.3	-	-	-	-	-	-	-	10.3
Total									
Dogfish	1,329.2	426.2	525.9	58.2	21.7	89.6	55.6	2.4	2,508.8
Lingcod	13.3	199.5	372.8	34.4	131.9	126.3	158.2	63.6	1,100.0
Pacific cod	0.7	0.0	0.3	0.1	0.6	0.2	1.3	0.8	4.0
Pacific hake	0.0	0.0	0.0	0.0	0.0	0.0	0.0	tr.	tr.
Pollock	0.0	0.0	tr.	0.0	0.0	0.0	0.0	tr.	tr.
Pacific ocean perch	0.0	0.0	0.6	0.0	0.0	0.3	0.1	1.0	2.0
Other rockfish	209.9	70.5	510.8	140.5	324.2	466.6	335.5	1,028.2	3,086.2
Sablefish	12.2	342.8	1,000.5	330.9	539.1	44.1	6.4	1,528.5	3,804.5
Sole	0.3	0.0	0.0	0.1	0.4	0.4	0.2	0.8	2.2
Misc. species	58.3	4.9	20.6	5.7	10.8	10.9	6.6	7.8	125.6

[a] Sablefish catch data obtained from fishing logs and port validation logs and may differ from Statistics Unit figures. Does not include 132.2 t of sablefish, 2.5 t of rougheye rockfish and 0.6 t of misc. rockfish caught in special permit fisheries to offshore seamounts.

[b] Misc. gears include groundfish catches by salmon gillnet, salmon seine and beach seine.

Table 45. 1995 British Columbia trap landings[a] (t) of groundfish - International area 4B, Strait of Georgia.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Sablefish	-	-	-	-	-	10.2	2.0	-	-	-	-	-	12.2
TOTAL	0.0	0.0	0.0	0.0	0.0	10.2	2.0	0.0	0.0	0.0	0.0	0.0	12.2

Table 46. 1995 British Columbia trap landings[a] (t) of groundfish - International area 3C, southwest coast of Vancouver Island.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Sablefish	32.5	0.2	4.3	-	-	134.6	-	-	-	39.2	-	-	210.8
TOTAL	32.5	0.2	4.3	0.0	0.0	134.6	0.0	0.0	0.0	39.2	0.0	0.0	210.8

Table 47. 1995 British Columbia trap landings[a] (t) of groundfish - International area 3D, northwest coast of Vancouver Island.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Sablefish	9.8	58.9	150.3	108.1	129.1	77.2	41.9	-	-	93.0	28.4	96.4	793.1
TOTAL	9.8	58.9	150.3	108.1	129.1	77.2	41.9	0.0	0.0	93.0	28.4	96.4	793.1

[a] Does not include catches from special permit trips to seamounts.

Table 48. 1995 British Columbia trap landings* (t) of groundfish - International area 5A, south Queen Charlotte Sound.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Sablefish	-	20.6	52.7	84.8	120.6	52.3	-	-	-	-	-	-	331.0
TOTAL	0.0	20.6	52.7	84.8	120.6	52.3	0.0	0.0	0.0	0.0	0.0	0.0	331.0

Table 49. 1995 British Columbia trap landings* (t) of groundfish - International area 5B, north Queen Charlotte Sound.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Sablefish	-	-	78.4	162.6	89.6	-	-	29.9	24.2	107.5	-	9.9	502.1
TOTAL	0.0	0.0	78.4	162.6	89.6	0.0	0.0	29.9	24.2	107.5	0.0	9.9	502.1

Table 50. 1995 British Columbia trap landings* (t) of groundfish - International area 5D, north Hecate Strait.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Sablefish	-	-	0.7	-	-	-	-	-	-	-	-	0.4	1.1
TOTAL	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.1

* Does not include catches from special permit trips to seamounts.

Table 51. 1995 British Columbia trap landings[a] (t) of groundfish - International area 5E, west coast Queen Charlotte Islands.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Sablefish	143.1	209.3	171.4	178.0	189.7	54.4	107.6	16.6	213.5	101.0	-	87.3	1,471.9
TOTAL	143.1	209.3	171.4	178.0	189.7	54.4	107.6	16.6	213.5	101.0	0.0	87.3	1,471.9

Table 52. 1995 British Columbia trap landings[a] (t) of groundfish - coastwide total.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Sablefish	185.4	289.0	457.8	533.5	529.0	328.7	151.5	46.5	237.7	340.7	28.4	194.0	3,322.2
TOTAL	185.4	289.0	457.8	533.5	529.0	328.7	151.5	46.5	237.7	340.7	28.4	194.0	3,322.2

Table 53. 1994 British Columbia trap landings[a] (t) of groundfish - offshore seamounts[b].

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Sablefish	-	-	-	-	43.7	46.4	-	27.9	14.3	-	-	-	132.3
Lingcod	-	-	-	-	-	tr.	-	-	-	-	-	-	tr.
Quillback rf	-	-	-	-	-	tr.	-	-	-	-	-	-	tr.
Rosethorn rf	-	-	-	-	tr.	-	-	-	-	-	-	-	tr.
Rougheye rf	-	-	-	-	1.3	0.4	-	0.4	0.5	-	-	-	2.6
Shortraker rf	-	-	-	-	tr.	tr.	-	-	-	-	-	-	tr.
Silvergray rf	-	-	-	-	tr.	-	-	-	-	-	-	-	tr.
Widow rf	-	-	-	-	tr.	-	-	-	-	-	-	-	tr.
Yelloweye rf	-	-	-	-	0.5	tr.	-	-	-	-	-	-	0.5
Shortspine rf	-	-	-	-	tr.	tr.	-	tr.	tr.	-	-	-	tr.
TOTAL	0.0	0.0	0.0	0.0	45.5	46.8	0.0	28.3	14.8	0.0	0.0	0.0	135.4

[a] Does not include catches from special permit trips to seamounts.

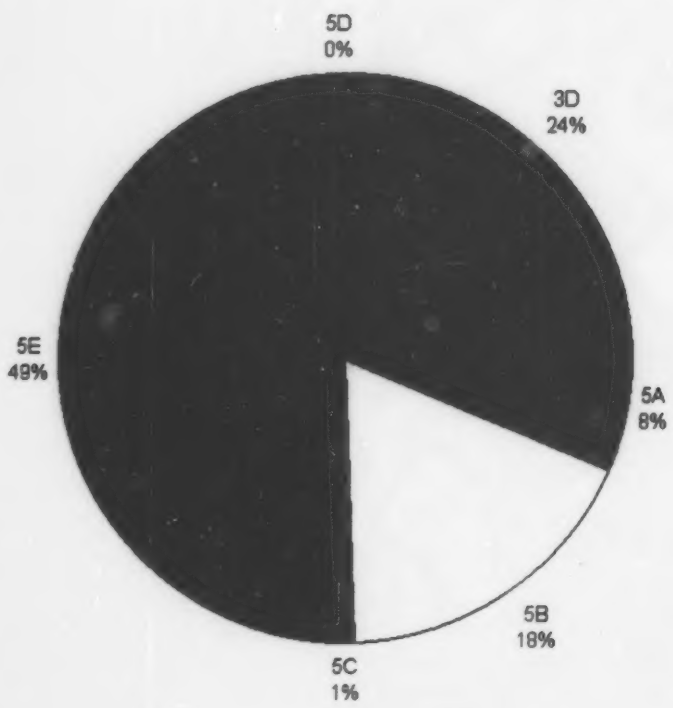
[b] Special permit trips to seamounts. Landings are not part of the coastwide quota.

Table 54. Total landings (t), monitored landings[a] (t), and monitored effort for the British Columbia trap fleet in 1995.

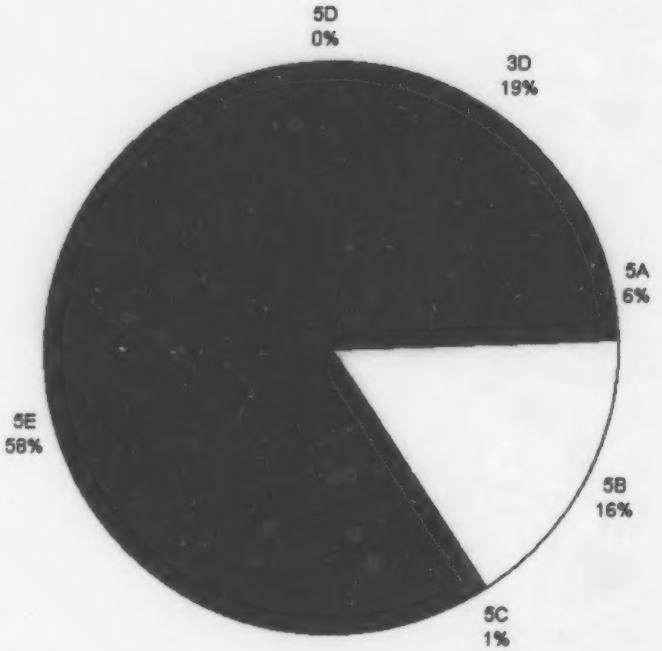
Major area	Total landings (t)	Monitored landings (t)	Monitored effort (traps)	Monitored CPUE (t/trap)
4B	12.2	10.2	1,542	0.007
3C	210.8	37.0	3,587	0.010
3D	793.1	333.7	23,129	0.014
5A	330.9	312.7	24,292	0.013
5B	502.1	394.6	22,207	0.018
5D	1.1	1.1	110	0.010
5E	1,472.0	1,270.1	82,029	0.015
Total	3,322.2	2,359.4	156,896	0.015
SM[b]	135.4	135.4	23,533	0.006

[a] Landings accompanied by mandatory logbook.

[b] Special permit trips to seamounts. Landings are not part of the coastwide quota.



Total catch (t)



Monitored effort (traps)

Figure 5. Total trap catch (t) and monitored effort (traps) in 1995 (excluding seamounts).

Table 55. British Columbia trap landings[a] (t) by species and minor area in 1995.

	Minor area							
Species	12	13	23	24	25	26	27	11
Sablefish	2.0	10.2	164.7	46.0	98.6	355.2	339.3	330.9
Rockfish[b]	-	-	-	0.1	-	-	-	-
Total	2.0	10.2	164.7	46.1	98.6	355.2	339.3	330.9
Discards	-	6.5	4.9	0.7	5.5	28.6	0.4	-

	Minor area						
Species	8	1E	1W	2AW	2BW	Total	Seamounts
Sablefish	502.1	1.1	354.0	559.2	558.8	3322.1	132.3
Rockfish[b]	-	-	-	-	-	0.1	3.1
Total	502.1	1.1	354.0	559.2	558.8	3322.2	135.4
Discards	20.3	tr.	0.7	27.9	2.3	97.8	5.2

[a] Does not include catches from special permit trips to seamounts.
[b] See table 53 for details of rockfish catches.

JOINT-VENTURE/FOREIGN FISHERIES

Since 1978, Canadian trawlers have participated in joint-venture fisheries. Canadian catcher vessels deliver Pacific hake and incidental species to foreign processing vessels in cooperative fishing arrangements. These fisheries take place off the southwest coast of Vancouver Island (Area 3C). These data are separated from the domestic landings because the joint-venture catches (converted from processed weight) are reported by the foreign processing vessels and cannot be verified by weight tallies. These data were collated and tallied by the Groundfish Management Unit of the Operations Branch in Vancouver.

In 1995, forty-three Canadian catcher vessels delivered Pacific hake and incidental species to three processing vessels. A total of 26,580 t of Pacific hake was processed by the three Russian vessels.

There were no national or supplemental fisheries for Pacific hake off the southwest coast of Vancouver Island in 1995.

The joint-venture catches of groundfish for 1995 are presented in Table 56.

Table 56. Joint-venture catches[a] (t) of groundfish from international area 3C – southwest coast of Vancouver Island in 1995.

Nation	Species	Quota (t)	Catch (t)
Russia	Hake	26,500	26,580
	Pollock	incidental	tr.
	Rockfish	incidental	191
Total	Hake	26,500	26,580
	Pollock	incidental	tr.
	Rockfish	incidental	191

[a] Catches (converted from processed weights) are reported by foreign processing vessels and cannot be verified by weight tallies.

CATCHES BY NPAFC AREA

This report is also produced to satisfy requirements of committees of the North Pacific Anadromous Fish Commission (NPAFC) , formerly known as the International North Pacific Fisheries Commission (INPFC) (Canada, Japan, and United States). To complement the previous tables, groundfish landings in metric tonnes (t) are presented in Tables 57-59 for trawl and other gears according to NPAFC areas. The relationship between these NPAFC areas and the major areas used in the first portion of this report is as follows:

INPFC	Major area	Latitude
Charlotte	5A, 5B, 5C, 5D, 5E[5]	50° 30'N - 54° 30'N
Vancouver	3B, 3C[6], 3D, 4B[7]	47° 30'N - 50° 30'N

[5] Northernmost 10 miles actually in Southeastern
[6] Southernmost 10 miles actually in Columbia
[7] Inside waters (Strait of Georgia)

Table 57. British Columbia landings[a] (t) of groundfish taken by all types of gear in 1995 , by INPFC area.

	NPAFC area		
Species	Vancouver	Charlotte	Total
English sole	183.0	1,304.7	1,487.7
Rock sole	193.3	1,845.5	2,038.8
Petrale sole	241.7	430.5	672.2
Dover sole	1,958.7	2,251.5	4,210.2
Rex sole	46.7	299.9	346.6
Starry flounder	19.8	61.1	80.9
Turbot	1,882.8	1,815.0	3,697.8
Other flatfish	18.0	286.7	304.7
Pacific cod	677.3	1,678.4	2,355.7
Lingcod	1,893.7	2,317.4	4,211.1
Sablefish	1,567.5	2,664.5	4,232.0
Pollock	1,881.5	2,376.4	4,257.9
Hake	57,817.5	30.0	57,847.5
Pacific ocean perch	915.8	5,365.9	6,281.7
Other rockfish	6,837.2	12,727.9	19,565.1
Misc. species	260.2	430.5	690.7
Dogfish	2,589.3	249.4	2,838.7
Animal food	-	-	0.0
Reduction	9.4	7.0	16.4
Total	78,993.4	36,142.3	115,135.7

[a] Does not include catches from joint-venture fishery, see Table 56.

Table 58. British Columbia domestic trawl landings[a] (t) of groundfish in 1995 , by INPFC area.

	NPAFC area		
Species	Vancouver	Charlotte	Total
English sole	183.0	1,304.7	1,487.7
Rock sole	193.3	1,845.5	2,038.8
Petrale sole	241.7	430.5	672.2
Dover sole	1,958.7	2,251.5	4,210.2
Rex sole	46.7	299.9	346.6
Starry flounder	19.8	61.1	80.9
Turbot	1,882.8	1,815.0	3,697.8
Other flatfish	17.7	284.8	302.5
Pacific cod	676.3	1,675.4	2,351.7
Lingcod	1,308.1	1,803.0	3,111.1
Sablefish	212.0	215.5	427.5
Pollock	1,881.5	2,376.4	4,257.9
Hake	57,817.5	30.0	57,847.5
Pacific ocean perch	915.2	5,364.5	6,279.7
Other rockfish	6,046.0	10,432.9	16,478.9
Misc. species	176.4	388.7	565.1
Dogfish	308.0	21.9	329.9
Animal food	-	-	0.0
Reduction	9.4	7.0	16.4
Total	73,894.1	30,608.3	104,502.4

[a] Does not include catches from joint-venture fishery, see Table 56.

Table 59. British Columbia landings (t, round weight) of groundfish caught by gear other than trawl in 1995, by NPAFC area.

Gear and species	NPAFC area		Total
	Vancouver	Charlotte	
Handline and troll			
Dogfish	115.4	18.6	134.0
Lingcod	407.9	197.0	604.9
Pacific cod	0.1	0.1	0.2
Pacific hake	-	tr.	tr.
Pac. ocean perch	-	tr.	tr.
Other rockfish	218.5	122.3	340.8
Sablefish	4.8	-	4.8
Sole	0.2	0.1	0.3
Misc. species	22.1	2.2	24.3
Longline			
Dogfish	2,165.0	174.5	2,339.5
Lingcod	176.0	316.4	492.4
Pacific cod	0.9	2.9	3.8
Pollock	tr.	tr.	tr.
Pac. ocean perch	0.6	1.4	2.0
Other rockfish	570.4	2,160.9	2,731.3
Sablefish	334.6	142.9	477.5
Sole	0.1	1.8	1.9
Misc. species	51.4	39.6	91.0
Trap			
Sablefish	1,016.1	2,306.1	3,322.2
Dogfish	-	34.4	34.4
Lingcod	-	0.8	0.8
Pacific cod	-	tr.	tr.
Other rockfish	2.2	11.8	14.0
Misc. gears[b]			
Dogfish	0.9	-	0.9
Lingcod	1.7	0.2	1.9
Other rockfish	0.1	tr.	0.1
Sole	tr.	-	tr.
Misc. species	10.3	-	10.3
Total			
Dogfish	2,281.3	227.5	2,508.8
Lingcod	585.6	514.4	1,100.0
Pacific cod	1.0	3.0	4.0
Pacific hake	-	tr.	tr.
Pollock	tr.	tr.	tr.
Pac. ocean perch	0.6	1.4	2.0
Other rockfish	791.2	2,295.0	3,086.2
Sablefish	1,355.5	2,449.0	3,804.5
Sole	0.3	1.9	2.2
Misc. species	83.8	41.8	125.6
Total	5,099.3	5,534.0	10,633.3

[a] Sablefish catch data obtained from fishing logs and port validation logs and may differ from Statistics Unit figures. Does not include 132.2 t of sablefish, 2.5 t of rougheye rockfish and 0.6 t of misc. fish caught in special permit fisheries to offshore seamounts.

[b] Misc. gears include groundfish catches by salmon gillnet, salmon seine and beach seine.

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